Model NO : Common Mode Inductor /choke


Features & Application

- ＊Separated windings for minimum interwinding capacitance
- ＊Single layer windings for highest common mode impedance over the widest frequency range
- ＊OR wound on nylon casing to protect windings
- ＊Spacer provides 1-3 mm creepage distance for UL, CSA, IEC compliance
- ＊All materials used are UL94-VO recognized
- ＊Operating temperature: - 40 °C to + 105 °C. Suitable for 50hz to 500 Khz
- ＊Available in both vertical or horizontal mount
- ＊Application includes power line filtering, EMI/RFI for switch mode power supplies
- ＊Available in vertical header mount for ease in PCB assembly
- ＊Easy FR－4 board mounting Good vibration resistance

Electrical characteristics

Header Mounted Toroidal Common Mode Line Chokes

Part NO. #TOD-L-I(A)	Inductance	Max D.C. Resistance	Current Rating	Mounting	Dimension (mm) coil size code AxBxC
#T310-280-13	0.280 mH	2.9 milli-ohm	13 A	Horizontal	38x38x19
#T250-425-8	0.425 mH	4.26 mill-ohm	8A	Vertical	32x30x21
#T310-580-13	0.580 mH	10 milli- ohm	13 A	Vertical	38x38x18
#T250-1000-8	1.000 mH	0.02 ohm	8A	Vertical	30x28x13
#T220-1000-3.2	1.000 mH	15.3milli-ohm	3.2 A	Vertical	26x26x17
#T220-1500-2	1.500 mH	18.0 milli-ohm	3.2 A	Vertical	26x26x18
#T220-1800-5	1.800 mH	0.05 ohm	5A	Horizontal	26x28x18
#T220-2200-5	2.200 mH	0.04 ohm	5A	Vertical	26x26x19
#T250-3500-1.5	3.500 mH	80.0 milli-ohm	1.5 A	Horizontal	30x32x16
#T250-3700-4	3.700 mH	0.07 ohm	4A	Vertical	30x32x17
#T310-7200-2.5	7.200 mH	93.0 milli- ohm	2.5 A	Horizontal	38x40x18
#T310-11000-1.5	11.000 mH	184.0 milli- ohm	1.5 A	Vertical	40x40x19

Low Profile, Small Size Common Mode Choke

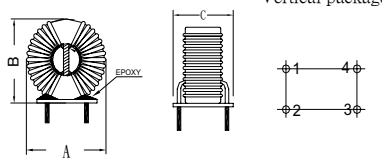
Part NO. #TOD-L-I(A)	Inductance	Max DC Resistance	DC Current Rating	Mounting	Dimension (mm) coil size code AxBxC
#T220-1180-7.5	1.180 mH	12.5 milli ohms	7.5 Amps	Horizontal	26x28x20
#T220-65-23.5	65.000 uH	0.9 milli-ohms	23.5 Amps	Vertical	26x26x18
#T220-100-19	100.000 uH	1.3 milli ohms	19 Amps	Vertical	28x26x18
#T220-180-15	180.000 uH	2.5 milli ohms	15 Amps	Vertical	26x26x20
#T220-470-12	470.000 uH	4.0 milli ohms	12 Amps	Vertical	28x26x18
#T220-880-9	880.000 uH	6.5 milli ohms	9 Amps	Horizontal	28x30x20

High Current Common Mode Line Chokes

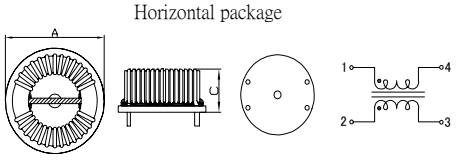
Part NO. #TOD-L-I(A)	Inductance	Max D.C. Resistance	Rated Current	Mounting	Dimension (mm) coil size code AxBxC
#T310-100-30	0.100 mH	3.0 milli-ohms	30 Amps	Horizontal	38x40x18
#T310-100-30A	0.100 mH	3.0 milli-ohms	30 Amps	Vertical	36x36x15
#T310-150-20	0.150 mH	3.4 milli-ohms	20 Amps	Horizontal	36x36x16
#T310-150-20A	0.150 mH	3.4 milli-ohms	20 Amps	Vertical	38x38x18
#T310-150-30	0.150 mH	3.5 milli-ohms	30 Amps	Vertical	38x38x19
#T250-200-15	0.200 mH	5 milli-ohms	15 Amps	Horizontal	30x28x15
#T310-200-18	0.200 mH	5 milli-ohms	18 Amps	Horizontal	36x36x16
#T310-200-15A	0.200 mH	5 milli-ohms	15 Amps	Vertical	38x38x18
#T250-200-18	0.200 mH	5 milli-ohms	18 Amps	Vertical	30x28x15
#T250-300-15	0.300 mH	7.3 milli-ohms	15 Amps	Horizontal	30x32x18
#T250-300-15A	0.300 mH	7.3 milli-ohms	15 Amps	Vertical	30x28x17
#T250-600-9	0.600 mH	10 milli-ohms	9 Amps	Horizontal	30x30x18
#T250-600-9A	0.600 mH	10 milli-ohms	9 Amps	Vertical	30x28x19

Dimensions : mm

Vertical package



Horizontal package



Notes:

1) Inductance is minimum per winding tested at 20KHz 1V.
2) Rdc is maximum per winding.
3) SRF is minimum for each winding.
4) Parts are designed for 40°C MAX temperature rise at the rate current.Specification might be changed due to under developing and improving.

4F., No. 10, Alley 8, Lane 45, Pao-Hsin Road, Hsin-Tien City, Taipei Hsien, Taiwan
Tel: 886.2.2918.9913/ Fax: 886.2.2918.7731/ Web: http://www.selmag.com.tw

Model NO : Differential Mode Output Power Inductor / Choke





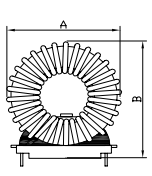
Features & Application

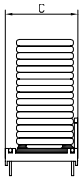
- Selmag differental mode choke standand suitable EMI suppcession for switching power supply
- High Inductance, small size, minimal external magnetic field
- Designed for any application requiring a high DC current bias such as output chokes in switching power supplies
- Designed with MPP, High Flux, Sendust/Koolmu
- All insulating (header) materials rated for 130ºC or higher 200 ºC class insulated solid wires are used
- Vertical and horizontal Base layout are availialbe fit the mechamical equipment of designer.
- All plastic materials UL94V-0 approved
- Mounted on header / base for easy assembly on PCBs

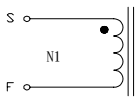
Electrical characteristics

STAND DIMENSION & SPECIFICATION						
Part NO. #TOD-L-I(A)	Inductance@100KHZ		DCR	Suggested	Dimension (mm)	Mounting
	At Idc=0A (uH)±15%	At Idc (uH)	(mΩ) (Max)	Rated Current	coil size code AxBxC	
#T234-7-10	7	10%	5.5	10.0 Amps	31.5X33.0X17.8	Horizontal
#T234-16-6.7	16	10%	7.7	6.7 Amps	31.5X33.0X17.8	Vertical
#T358-20-12	20	10%	8.8	12.0 Amps	43.2X40.6X22.9	Vertical
#T270-26-11	26	10%	9.9	11.0 Amps	35.6X35.6X22.9	Horizontal
#T270-43-3.8	43	10%	12.1	3.8 Amps	31.5X33.0X17.8	Vertical
#T358-49-8	49	10%	13.2	8.0 Amps	40.6X40.6X22.9	Vertical
#T270-79-6	79	10%	16.5	6.0 Amps	35.6X35.6X22.9	Horizontal
#T270-84-2.4	84	10%	34.1	2.4 Amps	31.5X33.0X17.8	Vertical
#T400-138-6	138	10%	27.5	6.0 Amps	45.7X35.6X22.9	Vertical
#T343-200-3.8	200	10%	41.8	3.8 Amps	40.6X40.6X22.9	Vertical
#T400-257-4.9	257	10%	37.4	4.9 Amps	45.7X35.6X22.9	Vertical
#T358-380-2.4	380	10%	72.6	2.4 Amps	40.6X40.6X22.9	Vertical
#T400-402-3.7	402	10%	46.7	3.7 Amps	45.7X35.6X22.9	Vertical
#T358-900-5	900	10%	71	5.0 Amps	45.7X35.6X22.9	Vertical
#T358-1200-4	1,200.00	10%	104	4.0Amps	45.7X35.6X22.9	Vertical
#T358-1439-1.5	1,439.00	10%	175	1.5 Amps	45.7X35.6X22.9	Vertical
#T358-1600-3	1,600.00	10%	150	3 .0 Amps	45.7X35.6X22.9	Vertical
#T358-2000-3.0	2,000.00	10%	168	3 .0 Amps	45.7X35.6X22.9	Vertical

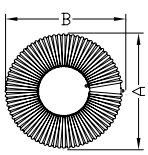
Dimensions : mm

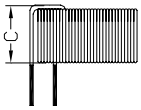


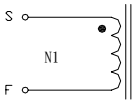




Vertical package







Horizontal package

Notes:

1) Inductance is minimum per winding tested at 20KHz 1V.
2) Rdc is maximum per winding.
3) SRF is minimum for each winding.
4) Parts are designed for 40℃ MAX temperature rise at the rate current.Specification

Model NO : Magnetic amplifiers (Mag-Amp)

RoHS

Features & Application

- ＊Selmag Toroid Low Cost Saturable Reactor Mag Amp coil (encupsulated) to regulate way of providing control on the secondary side of the auxiliary outputs in mutiple-output switching power supplies
- ＊Operating at Frequency from 20KHz to over 100 KHz.
- ＊Nano-Based amorphous core and Co-Base amorphous core are
  - ◇ Good high-frequency characteristic
  - ◇ Low coercive force and high squareness ratio
  - ◇ Low core loss
  - ◇ Low temperature raising and good temperature stability (-55℃~120℃)
- ＊ The charactertic make the alloy must idea of SMPS application,
- ＊Higher efficiency than linear regulators, especially at higher currents Available in 1 Amp and 5 Amp versions
- ＊Custom versions with other current or volt-time ratings available

Electrical characteristics

STAND DIMENSION & SPECIFICATION

1) AMSA SERIES MAG-AMP

Part number	Core Dimensions OD/ID/HT	Finished Dimensions AxBxC	winding spec(REF)	Output current(A)	Squareness ratio Br/Bm	Coercive force field HC(A/M)
#AMSA-11S-LT5	14-6.6-6.3	19-19-11	Ø1.0mm*2p*5Ts	6-18A	0.93MIN	20max
#AMSA-12S-LT5	14-6.6-6.4	21-19-11	Ø1.4mm*1p*5Ts	10-25A	0.93MIN	20max
#AMSA-15S-LT4	16.9-8.6-6.5	22-22-11.5	Ø1.3mm*2p*4Ts	15-30A	0.93MIN	20max
#AMSA-15A-LT10	16.7-10.5-6.3	20.19-9.5	Ø0.6mm*4p*10Ts	15-30A	0.93MIN	20max
#AMSA-18S-LT7	19.8-10.4-6.4	26-26-13	Ø1.2mm*2p*8Ts	20-35A	0.93MIN	20max
#AMSA-13B-LT12	14.7-7.8-4.6	22-20-13	Ø1.2mm*1p*12Ts	13-30A	0.93MIN	20max

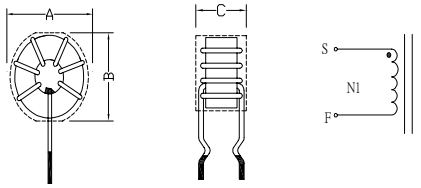
2) AMSN SERIES MAG-AMP

Part number	Core Dimensions OD/ID/HT	Finished Dimensions AxBxC	winding spec	Output current(A)	Squareness ratio Br/Bm	Coercive force field HC(A/M)
#AMSN-11S-LT6	14-6.6-6.3	20-19-12	Ø1.2mm*1p*6Ts	6-19A	0.9MIN	38MAX
#AMSN-11S-LT7	14-6.6-6.3	20-20-12	Ø1.0mm*2p*7Ts	6-19A	0.9MIN	38MAX
#AMSN-13B-LT7C	14.7-7.8-4.6	20-19-11	Ø0.9mm*2p*7Ts	15-30A	0.9MIN	38MAX
#AMSN-15S-LT5	16.9-8.6-6.5	22-20-12	Ø1.3mm*2p*5Ts	18-33A	0.9MIN	38MAX
#AMSN-18S-LT8	19.8-10.4-6.4	25-25-11	Ø1.3mm*2p*8Ts	25-35A	0.9MIN	38MAX

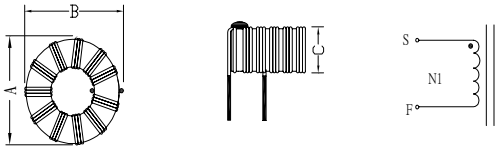
3) ACL SERIES MAG-AMP(LOW COST)

Part number	Core Dimensions OD/ID/HT	Finished Dimensions AxBxC	winding spec	Output current(A)	Squareness ratio Br/Bm	Coercive force field HC(A/M)
#ACL-1404FT4	14.4-6.5-6.9	19-19-13	Ø1.2mm*2p*4Ts	10-20A	0.85min	40MAX
#ACL-1404FT4D	14.4-6.5-6.9	20-25-13	Ø1.2mm*2p*4Ts	10-20A	0.85min	40MAX
#ACL-1404FT6A	14.4-6.5-6.9	20-20-12	Ø1.0mm*2p*6Ts	10-20A	0.85min	40MAX
#ACL-1503FT8	15.3-6.5-5.7	18-18-10	Ø0.8mm*2p*8Ts	10-25A	0.85min	40MAX
#ACL-1204FT8	12.3-5.6-7	16-14-11	Ø1.0mm*1p*8Ts	8-18A	0.85min	40MAX
#ACL-1604FT7	15.6-7.9-7	20-18-10.5	Ø1.0mm*1p*7Ts	10-24A	0.85min	40MAX
#ACL-1906F1T5	18.9-7.8-8.5	23-21-13	Ø1.2mm*2p*5Ts	25-35A	0.85min	40MAX
#ACL-1603FT6	15.5-7.5-7	24-22-14	Ø0.6mm*4p*6Ts	10-20A	0.85min	40MAX

Dimensions : mm



Vertical package



Horizontal package

Notes:

1) Ambient temperature range: -40℃to +85℃
2) Storage temperature range: -55℃ to +80℃
3) Electrical specifications at 25℃.
4) All insulating materials 130℃ or higher.

Model NO : PFC (power factor correction)

Features & Application

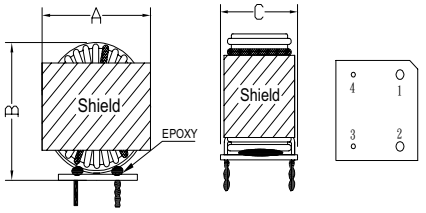
* Selmag Toroid Style Power Factor Correction inductor are designed for low cost and hightest performance.
* LITZ Construction is designed to minimun the power losses exhibition in solid inductor due to skin effect.
* PFC inductor have many kinds series.Shield and unshield indicated available for switching power supply,operating up to over 100KHz of switching frequency.
* Auxiliary winding optiond available at competitive costs.
* Vertical or horizontal through hole mounting.
* All material meet insulation class system B(130℃)F(150℃) or higher.

RoHS

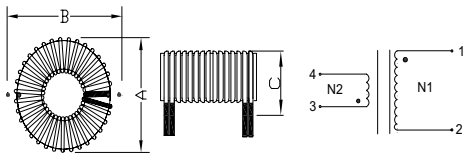
Electrical characteristics

STAND DIMENSION & SPECIFICATION					
Part NO. #TOD-L-I(A)	Inductance@100KHZ		DCR	Dimension (mm)	Mounting
	At Idc=0A (uH)±15%	Current Rating	(OHM) (Max)	coil size code AxBxC	
#T102-1.5-18	1.500 uH	18 amps	0.005 ohms	14-14-7	Vertical
#T229-25-9.8	25.000 uH	9.8 amps	0.011 ohms	28-27-13	Vertical
#T270-29-12.8	29.000 uH	12.8 amps	0.013 ohms	33-35-16	Horizontal
#T229-50-8.3	50.000 uH	8.3 amps	0.022 ohms	28-30-12	Horizontal
#T270-50-9.9	50.000 uH	9.9 amps	0.016 ohms	33-32-16	Vertical
#T166-100-3.3	100.000 uH	3.3 amps	0.065 ohms	21-21-10	Vertical
#T270-100-8	100.000 uH	8 amps	0.023 ohms	33-35-16	Horizontal
#T166-150-2.7	150.000 uH	2.7 amps	0.095 ohms	21-19-10	Vertical
#T229-150-4.5	150.000 uH	4.5 amps	0.052 ohms	28-26-11	Vertical
#T112-250-1.4	250.000 uH	1.4 amps	0.16 ohms	16--16--6	Vertical
#T270-1000-2.4	1,000.000 uH	2.4 amps	0.235 ohms	33-31-16	Vertical

Dimensions : mm



Vertical package



Horizontal package

Notes:

1) Inductance tested at 100KHz 1V.
2) Inductance drop 20% at I sat.
3) Rdc is maximum per winding.
4) Operating temperature range-40℃ to +85℃.
5) Custom designs are available to meet any of your

Model NO : #CDRH6B38 L ***

Features

Application

RoHS

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R0	14m	5.00	180	82m	1.44	151	585m	513m
1R5	17m	4.00	220	94m	1.30	181	660m	486m
2R2	19m	3.60	270	114m	1.20	221	890m	427m
2R7	23m	3.40	330	138m	1.07	271	1.00	387m
4R7	29m	2.88	390	151m	1.00	331	1.25	350m
5R6	33m	2.61	470	169m	950m	391	1.38	318m
6R8	36m	2.39	560	208m	850m	471	2.02	294m
8R2	39m	2.07	680	232m	750m	561	2.20	260m
100	51m	1.94	820	290m	700m	681	2.50	230m
120	57m	1.75	101	325m	630m			
150	70m	1.60	121	434m	605m			

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

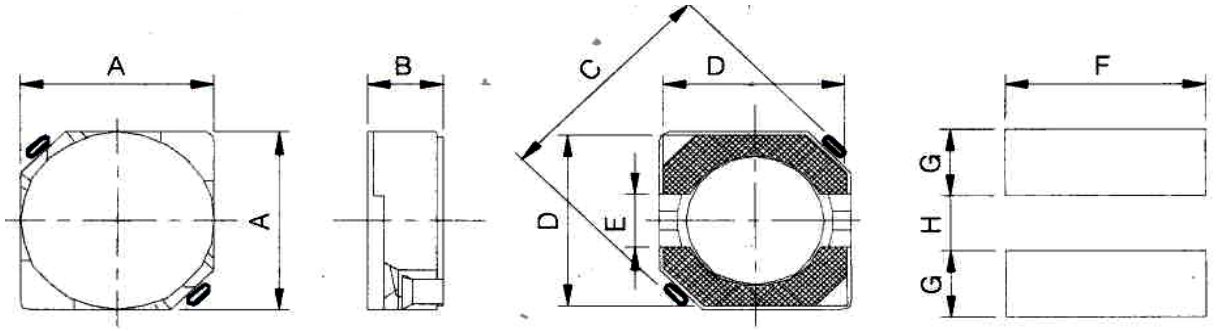
※2. Tolerance of Inductance : L≦8.2uH ±30% L≧10uH ±20%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

TYPE	A(max)	B(max)	C(max)	D	E	F	G	H
#CDRH6B38	7.00	4.00	9.50	6.50	2.00	7.30	2.65	2.00



PCB pattern

Model NO : #CDH104R L *

Features

Application

RoHS

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R2	12m	5.40	680	338m	1.35			
2R2	17m	4.95	820	384m	1.26			
3R3	22m	4.35	101	429m	1.17			
3R9	26m	4.05	151	611m	1.05			
5R6	33m	3.80	221	939m	900m			
100	60m	3.15	271	1.17	720m			
150	78m	2.90	331	1.3	530m			
220	107m	2.50	391	1.56	450m			
330	133m	2.00	471	1.76	405m			
470	241m	1.80						
560	260m	1.62						

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

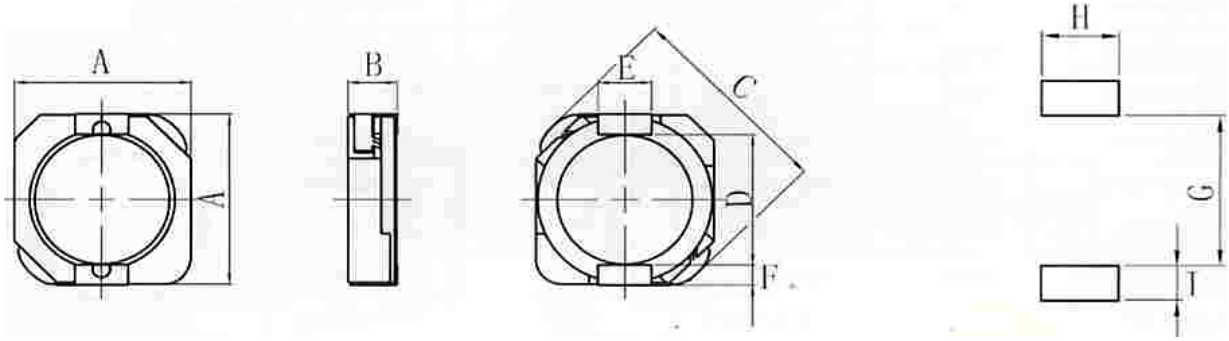
※2. Tolerance of Inductance : L≦8.2uH ±30% L≧10uH ±20%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

Type	A(max)	B(max)	C(max)	D	E	F	G	H	I
#CDH104R	10.50	4.00	13.50	7.70	3.00	1.20	7.30	3.20	1.60



PCB pattern

Model NO : #CDH125 L *

Features

Application

- power supply for VTR,OA equipment
- digital camera.LCD television set
- notebook PC ,portable communication equipments,
- DC/DC converters,etc

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R2	8m	8.00	470	75m	1.80	391	650m	650m
2R2	10m	7.00	560	99m	1.70	471	715m	580m
5R6	17m	4.40	680	117m	1.50	561	858m	540m
100	23m	4.00	820	143m	1.40	681	1.02	480m
120	26m	3.50	101	156m	1.30	821	1.34	430m
150	29m	3.30	121	169m	1.10	102	1.53	400m
180	34m	3.00	151	247m	1.00			
220	36m	2.80	181	286m	900m			
270	44m	2.30	221	403m	800m			
330	57m	2.10	271	455m	750m			
390	68m	2.00	331	507m	680m			

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

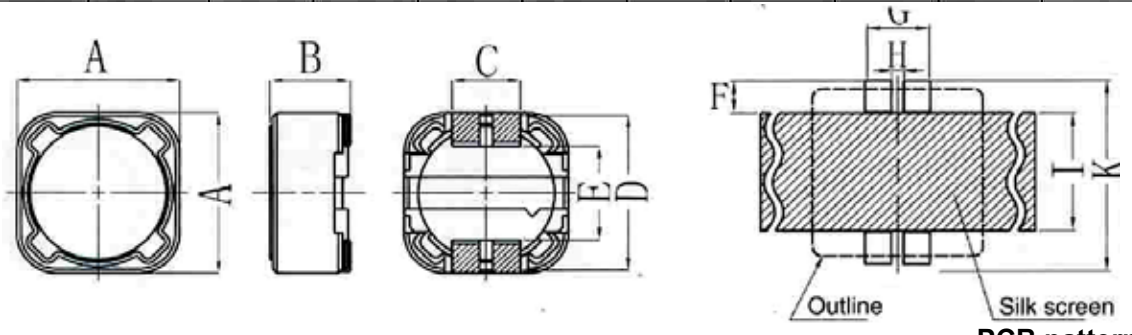
※2. Tolerance of Inductance : L≦8.2uH ±30% L≧10uH ±20%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

Type	A(max)	B(max)	C	D	E	F	G	H	I	K
# CDH125	12.30	6.00	5.00	12.00	7.60	2.80	5.40	0.50	7.00	12.80



PCB pattern

Model NO : #CDH127 L *

Features

Application

＊power supply for VTR,OA equipment
＊digital camera.LCD television set
＊notebook PC ,portable communication equipments,
＊DC/DC converters,etc

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R0	5m	11.50	330	60m	3.00	271	408m	1.06
1R8	7m	9.60	390	64m	2.75	331	468m	950m
2R5	8m	8.20	470	91m	2.50	391	644m	880m
4R7	15m	6.80	560	99m	2.35	471	709m	790m
6R8	17m	6.50	680	130m	2.10	561	793m	730m
100	21m	5.40	820	143m	1.95	681	904m	670m
120	23m	4.90	101	156m	1.71	821	1.13	600m
150	31m	4.50	121	218m	1.60	102	1.29	550m
180	34m	3.90	151	247m	1.42			
220	38m	3.60	181	267m	1.30			
270	52m	3.30	221	299m	1.16			

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

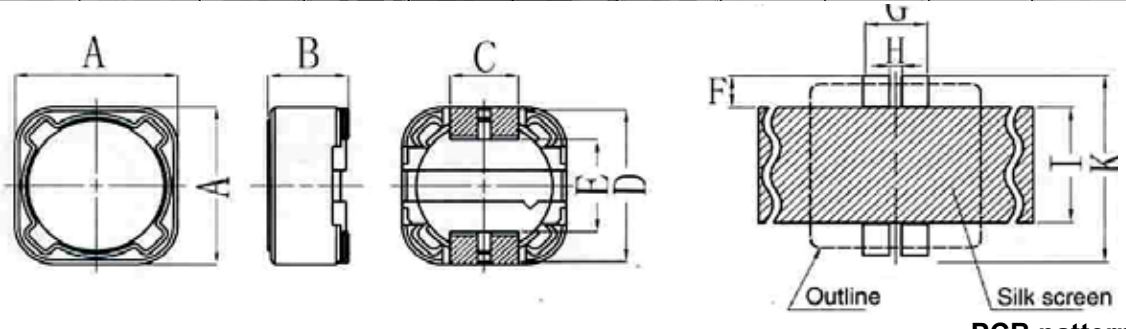
※2. Tolerance of Inductance : L≦8.2uH ±30% L≧10uH ±20%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

Type	A(max)	B(max)	C	D	E	F	G	H	I	K
# CDH127	12.30	8.00	5.00	12.00	7.60	2.80	5.40	0.50	7.00	12.80



PCB pattern

Model NO : #CDF105B L *

Features

Application

＊notebook PC ,
＊modem equipmet,
＊LCD,OA equipment,
＊other electronic equipment

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R2	6m	5.50	101	182m	660m			
1R8	8m	4.20	151	302m	500m			
2R7	11m	3.70	221	384m	450m			
3R9	13m	3.00	331	559m	360m			
6R8	18m	2.30	471	780m	300m			
100	22m	2.00	681	1.07	240m			
150	34m	1.70	102	1.59	200m			
220	43m	1.40						
330	61m	1.15						
470	92m	940m						
680	120m	790m						

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

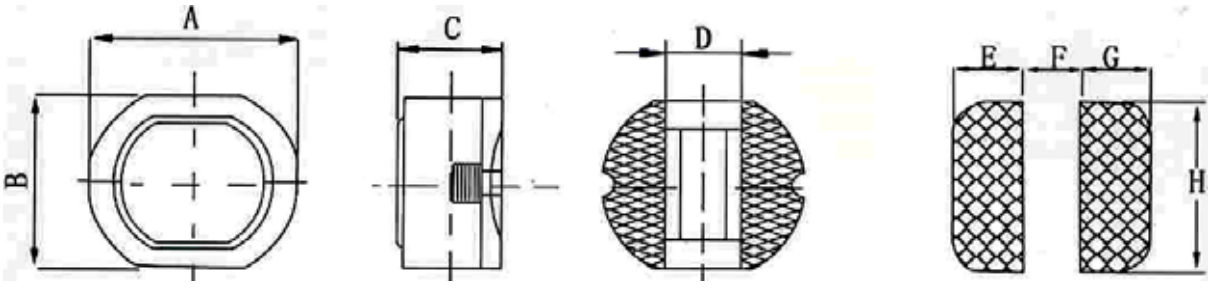
※2. Tolerance of Inductance : L≦8.2uH ±30% L≧10uH ±20%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

TYPE	A ±0.4	B ±0.4	C(max)	D	E	F	G	H
#CDF105B	10.00	9.00	5.50	3.20	4.50	2.50	4.50	9.50



PCB pattern

Model NO : #DR1040 L *

Features

Application

＊power supply for VTR,OA equipment
＊digital camera.LCD television set
＊DC/AC inverters
＊DC/DC converters,etc

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R2	9m	7.50	220	86m	1.80	181	611m	680m
1R8	10m	6.30	270	98m	1.70	221	754m	580m
3R3	14m	5.00	330	117m	1.55	271	891m	500m
4R7	20m	4.30	390	144m	1.40	331	1.13	450m
5R6	23m	4.00	470	169m	1.30	391	1.30	400m
6R8	26m	3.60	560	190m	1.22	471	1.56	380m
8R2	31m	3.10	680	241m	1.08	561	1.82	350m
100	42m	2.60	820	293m	1.00	681	2.47	330m
120	46m	2.35	101	351m	900m	821	2.86	290m
150	55m	2.20	121	416m	820m	102	3.51	270m
180	75m	2.00	151	527m	760m			

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

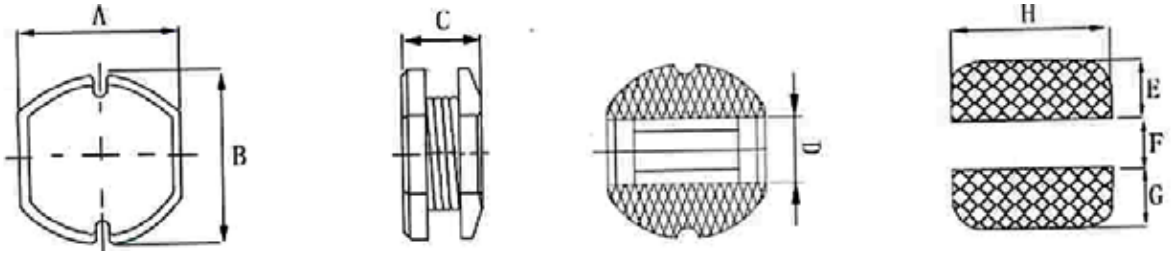
※2. Tolerance of Inductance : L≦8.2uH ±20% L≧10uH ±10%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

TYPE	A ±0.3	B ±0.3	C(max)	D	E	F	G	H
#DR1040	9.00	10.00	4.20	3.20	3.75	2.50	3.75	9.50



PCB pattern

Model NO : #DR1040 L *

Features

Application

＊power supply for VTR,OA equipment
＊digital camera.LCD television set
＊DC/AC inverters
＊DC/DC converters,etc

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R0	14m	5.40	150	99m	1.78	151	858m	550m
1R5	17m	4.70	180	108m	1.68	181	975m	518m
1R8	21m	4.50	220	137m	1.44	221	1.30	470m
2R7	25m	3.70	270	156m	1.38	271	1.50	425m
3R3	27m	3.50	330	195m	1.20	331	1.76	375m
3R9	31m	3.20	390	221m	1.06	391	2.15	330m
4R7	38m	3.10	470	273m	960m	471	2.99	315m
5R6	46m	2.80	560	312m	920m	561	3.32	300m
6R8	52m	2.40	680	377m	870m	681	3.90	260m
8R2	56m	2.20	820	442m	755m	821	5.33	240m
100	72m	2.08	101	670m	680m	102	6.37	230m
120	81m	1.90	121	741m	610m			

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

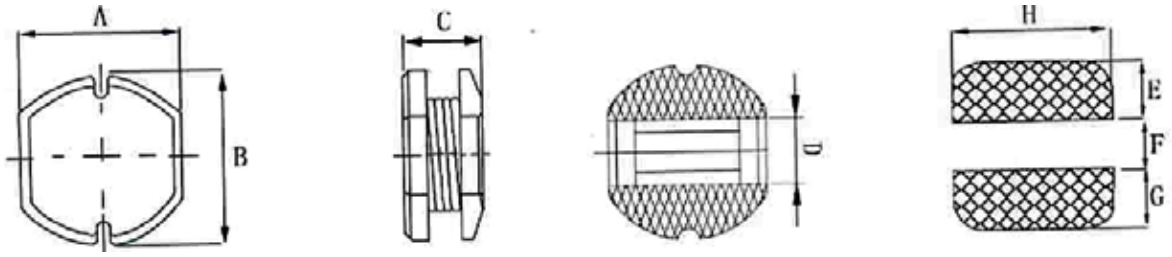
※2. Tolerance of Inductance : L≦8.2uH ±20% L≧10uH ±10%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

TYPE	A ±0.3	B ±0.3	C(max)	D	E	F	G	H
#DR5845	5.20	5.80	4.80	1.50	2.60	1.40	2.60	5.80



PCB pattern

Model NO :#DRBF3316 L *

Features

Application

＊VGA display card,
＊notebook computers pdas
＊step-up and step-down converters
＊flash memory programmers,etc

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R5	23m	3.80	151	1.20	430m			
3R3	35m	2.50	221	2.15	340m			
4R7	44m	2.10	331	2.67	270m			
6R8	57m	2.00	471	3.90	190m			
100	99m	1.60	681	5.85	170m			
150	134m	1.35	102	8.32	140m			
220	228m	1.10						
330	325m	810m						
470	403m	730m						
680	585m	640m						
101	793m	520m						

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

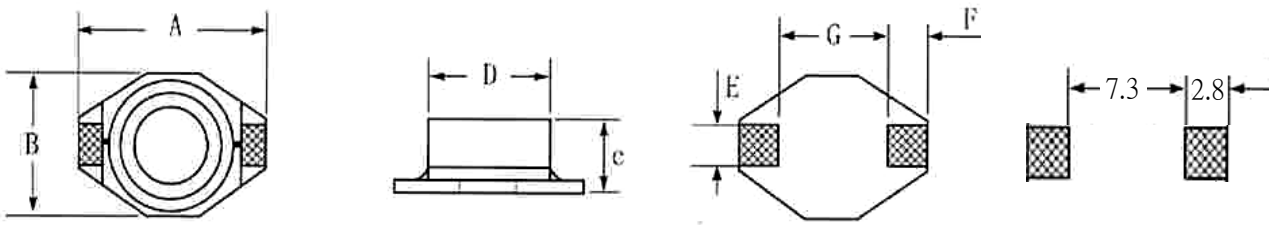
※2. Tolerance of Inductance : L≦8.2uH ±20% L≧10uH ±10%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

TYPE	A (max)	B (max)	C (max)	D	E	F	G
#DRBF3316	13.00	9.40	5.10	8.38	2.54	2.54	7.62



PCB pattern

Model NO :#DRB3340 L *

Features

Application

＊VGA display card,
＊notebook computers pdas
＊step-up and step-down converters
＊flash memory programmers,etc

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R0	5m	9.80	680	144m	1.70			
1R2	8m	9.00	101	182m	1.35			
1R5	8.5m	8.50	151	334m	1.10			
3R3	13m	7.00	221	436m	1.00			
4R7	14m	6.50	331	689m	765m			
6R8	17m	6.00	471	1.00	600m			
100	30m	4.10	681	1.43	495m			
150	36m	3.80	102	2.08	430m			
220	52m	3.00						
330	70m	2.50						
470	99m	2.00						

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

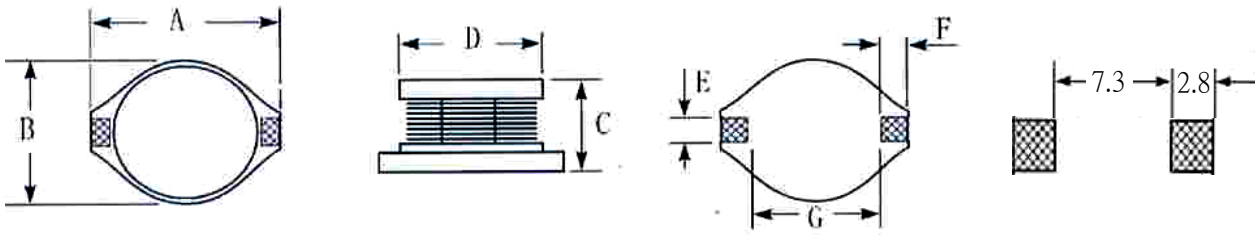
※2. Tolerance of Inductance : L≦8.2uH ±20% L≧10uH ±10%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

TYPE	A (max)	B (max)	C (max)	D	E	F	G
#DRB3340	13.00	9.40	11.40	8.40	2.54	2.54	7.62



PCB pattern

Model NO #DRB5022 L *

Features

Application

＊VGA display card,
＊notebook computers pdas
＊step-up and step-down converters
＊flash memory programmers,etc

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R5	7m	8.50	680	120m	1.80			
2R2	8m	7.20	101	218m	1.35			
3R3	13m	6.30	151	317m	1.15			
5R6	20m	5.30	221	433m	1.00			
6R8	21m	4.90	331	644m	810m			
100	23m	4.30	471	932m	675m			
150	33m	3.85	561	1.16	585m			
220	52m	3.15	681	1.47	530m			
330	75m	2.50	102	2.05	440m			
470	98m	2.10						
560	105m	2.00						

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

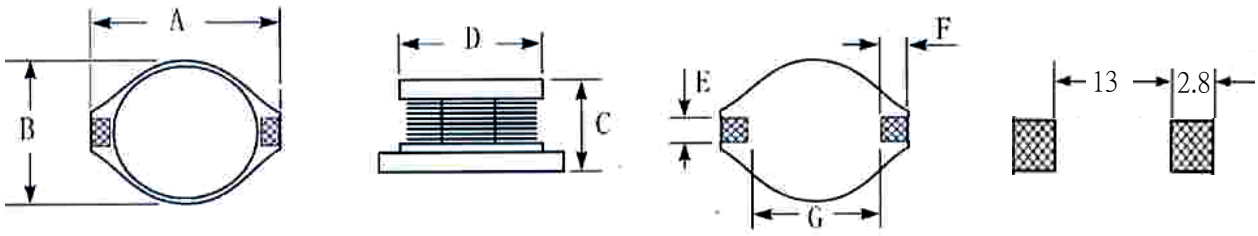
※2. Tolerance of Inductance : L≦8.2uH ±20% L≧10uH ±10%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

TYPE	A (max)	B (max)	C (max)	D	E	F	G
#DRB5022	18.50	15.20	7.10	12.70	2.54	2.54	12.70



PCB pattern

Model NO #CDH64 L *

Features

Application

＊power supply for VTR,OA equipment
＊digital camera.LCD television set
＊notebook PC ,portable communication equipments,
＊DC/DC converters,etc

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
100	120m	1.35	820	710m	460m	681	7.32	170m
120	130m	1.22	101	1.03	420m	821	8.24	150m
150	180m	1.11	121	1.15	380m	102	9.26	140m
180	240m	1.02	151	1.68	350m			
220	270m	910m	181	1.87	320m			
270	300m	820m	221	2.08	290m			
330	330m	740m	271	2.37	260m			
390	370m	690m	331	2.67	230m			
470	520m	620m	391	2.94	220m			
560	560m	580m	471	3.39	200m			
680	630m	510m	561	5.43	180m			

NOTE :

※1. Measuring Frequency (F) : L≦8.2uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

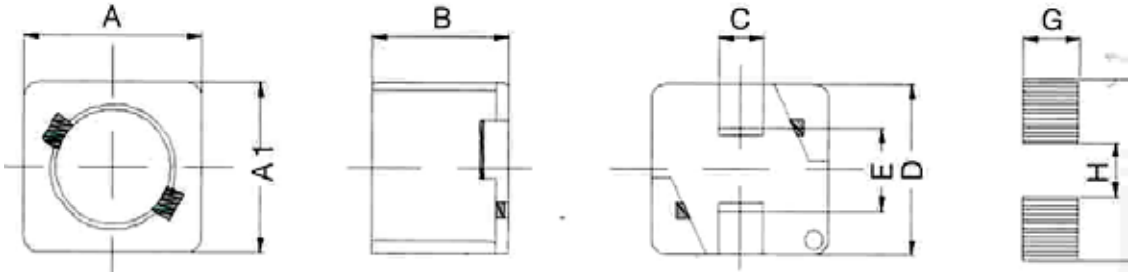
※2. Tolerance of Inductance : L≦8.2uH ±20% L≧10uH ±10%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

Type	A(Max)	A1(Max)	B(Max)	C	D	E	F	G	H	I
#CDH64	6.50	6.20	5.00	1.50	6.00	2.80		2.50	4.00	8.10



PCB pattern

Model NO : #RCH114 L *

Features

* high pwer storage
* small size
* easy insertion
* low price
* used widely in carious electronic equp-ments and civil industry products

Application

* VCR OA equipment LCD
* notebook DC to DC converters
* DC to AC inverters

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
6R3	26m	4.3	121	195m	1.5	272	3.7	290m
7R5	29m	4.2	151	220m	1.4	332	5.0	270m
8R8	30m	4.1	181	260m	1.3	392	5.6	250m
100	33m	4.0	221	350m	1.2	472	7.4	230m
120	35m	3.9	271	390m	1.1	562	8.2	210m
150	40m	3.7	331	520m	1.0	682	12.0	190m
180	48m	3.5	391	570m	920m	822	14.0	170m
220	55m	3.3	471	650m	840m	103	16.0	160m
270	58m	3.1	561	790m	750m	123	21.0	150m
330	65m	2.9	681	960m	690m	153	24.0	140m
390	75m	2.7	821	1.2	620m	183	27.0	130m
470	85m	2.5	102	1.6	520m	223	34.0	120m
560	105m	2.3	122	2.2	460m	273	39.0	110m
680	120m	2.1	152	2.5	410m	333	51.0	100m
820	130m	1.9	182	2.9	360m	393	58.0	90m
101	145m	1.7	222	3.2	320m			

NOTE :

※1. Measuring Frequency (F) : L<10uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

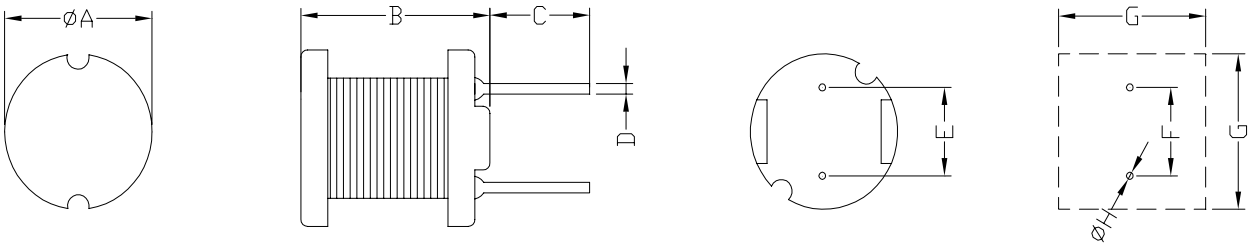
※2. Tolerance of Inductance : L<10uH ±20% L≧10uH ±10%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

TYPE	ØA(max)	B(max)	C(max)	D	E	F	G	ØH
#RCH114	10.50	14.40	2.50	0.80	5.00	5.00	11.00	1.00



PCB pattern

Model NO : #RCH654 L *

Features

* high pwer storage
* small size
* easy insertion
* low price
* used widely in carious electronic equp-ments and civil industry products

Application

* VCR OA equipment LCD
* notebook DC to DC converters
* DC to AC inverters

Electrical characteristics

parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3	parts No	D.C.R(Ω) MAX	Rated current A※3
1R0	29m	3.00	150	120m	980m	151	950m	350m
1R5	34m	2.85	180	130m	930m	181	1.15	320m
2R0	39m	2.48	220	180m	900m	221	1.30	290m
2R5	43m	2.21	270	210m	810m	271	1.55	260m
3R3	48m	1.98	330	270m	740m	331	2.18	230m
3R9	55m	1.83	390	290m	680m	391	2.47	210m
4R7	60m	1.74	470	340m	620m	471	2.92	200m
5R6	66m	1.53	560	420m	570m	561	3.97	180m
7R2	78m	1.35	680	480m	510m	681	4.57	160m
8R2	85m	1.26	820	550m	470m	821	5.28	150m
100	91m	1.20	101	680m	420m	102	7.06	130m
120	100m	1.05	121	770m	390m			

NOTE :

※1. Measuring Frequency (F) : L<10uH 100KHZ/0.25V L≧10uH 1KHZ/0.25V

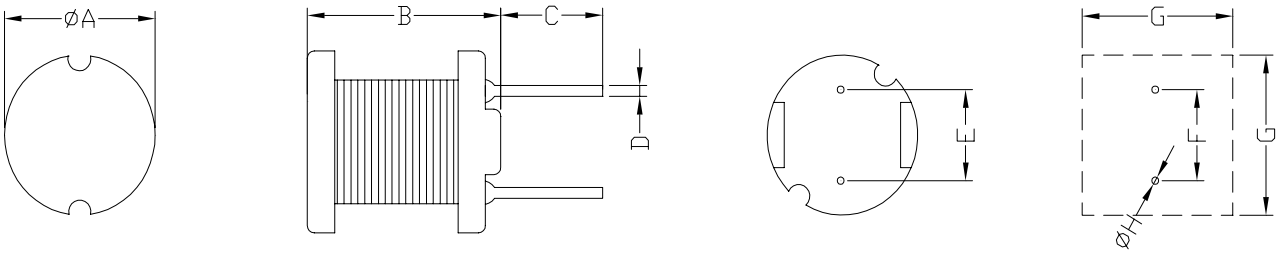
※2. Tolerance of Inductance : L<10uH ±20% L≧10uH ±10%

※3. Rated Current : This indicates the value of current when the inductance is 35% lower than its nitial value at D.C.superposition or D.C.current when ΔT=40℃whichever is lower .(Ta=20℃)

※4. Inductance value . 1R0:1.0(uH) ; 100:10(uH) ; 101:100(uH) ; 102:1000(uH) ;

Physical dimension : (UNIT:mm)

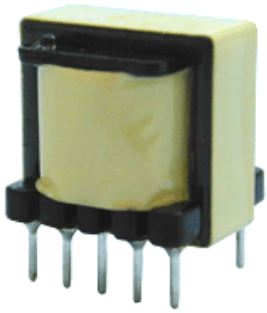
TYPE	ØA(max)	B(max)	C(max)	D	E	F	G	ØH
#RCH654	6.50	5.00	2.50	0.50	4.00	4.00	7.00	0.80



PCB pattern

Features

1. Compact,light,easy surface mounting
2. Autometed mounting and reflow soldering
3. High impedance and low loss
4. The products contain no lead and also support lead-free soldering
5, All matrials ROHS compliance and use are UL listed



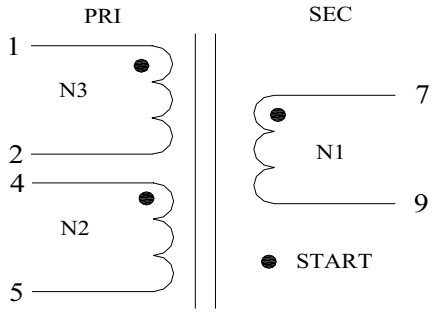
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

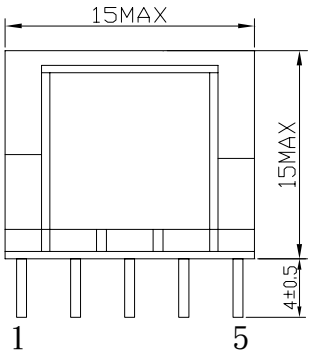
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
EE13T1000L168	(7-9):(4-5)=100:1 (7-9):(1-2)=1000:13	(7-9)=168mH±15%	500uH MAX (sec short)	(7-9)=80Ω MAX (4-5)=350mΩ MAX (1-2)=150mΩ MAX	pri to sec AC 1.0KV/5mA 1SEC pri to core AC 0.5KV/5mA 1SEC sec to core AC 0.5KV/5mA 1SEC	1KHz/0.25V

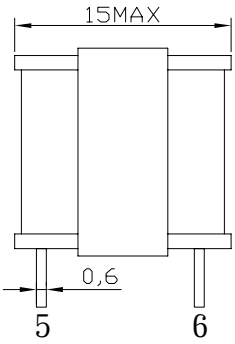
Schematics(bottom)



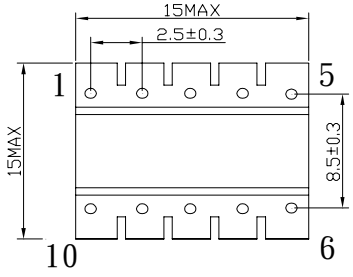
Shapes and dimensions unit: mm



ELEVATION VIEW

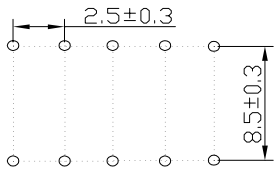


SIDE VIEW



BOTTOM VIEW

TOP VIEW



Recommended landing dimensions

Features

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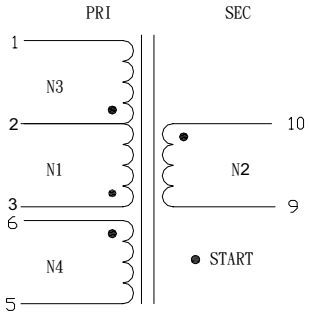
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

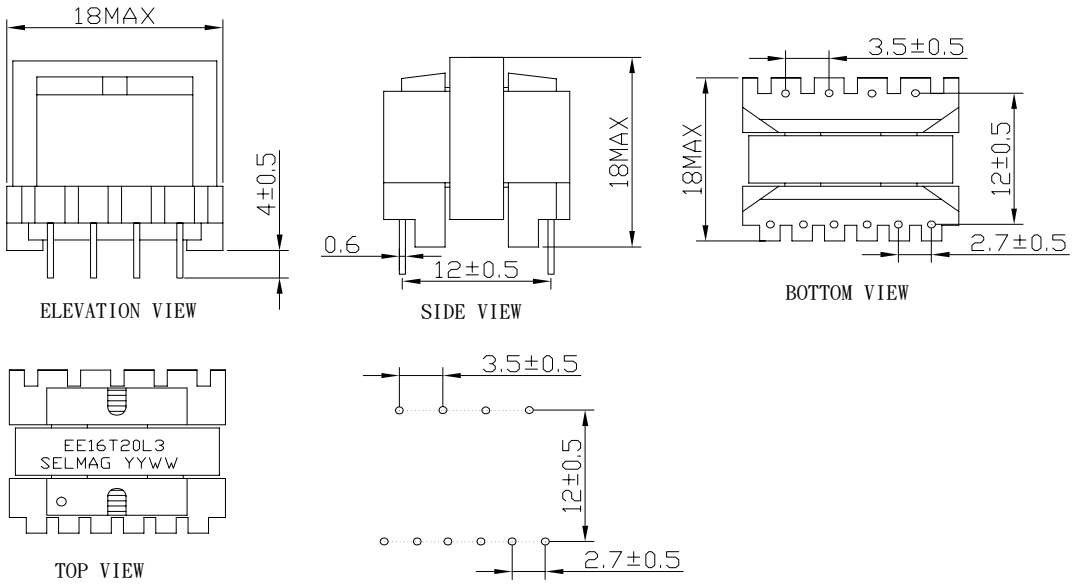
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
EE16T20L3	(3-1):(10-9)=19.5:1 (3-1):(6-5)=39:5	(3-1)=3mH±10%	100uH MAX (sec short)	(3-1)=3.3Ω MAX (10-9)=22mΩ MAX (6-5)=1.3Ω MAX	pri to sec AC 3KV/5mA 1SEC pri to core AC 1.0KV/5mA 1SEC sec to core AC 1.0KV/5mA 1SEC	1KHz/0.25V

Schematics(bottom)



Shapes and dimensions unit: mm



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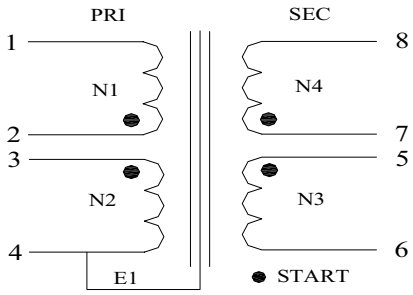
3. DVD
4. DC-DC converter

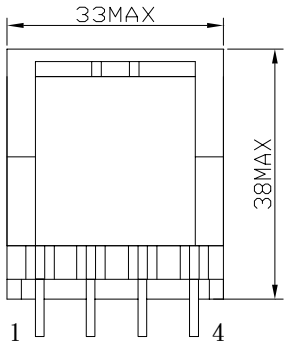
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25℃	Insulation withstand voltage	Test frequency voltage (KHz/V)
EE25T82L900	(2-1):(3-4)=82:13 (2-1):(5-6)=41:10 (2-1):(7-8)=41:5	(2-1)=900uH±10%	92uH MAX (sec short)	(2-1)=700mΩ MAX (3-4)=165mΩ MAX (5-6)=180mΩ MAX (7-8)=150mΩ MAX	pri to sec AC 3.0KV/5mA 1SEC pri to core AC 1.0KV/5mA 1SEC sec to core AC 1.0KV/5mA 1SEC	1KHz/0.25V

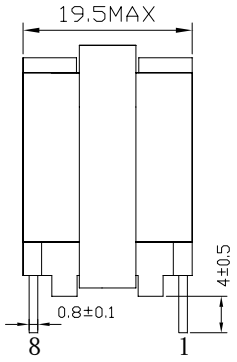
Schematics(bottom)



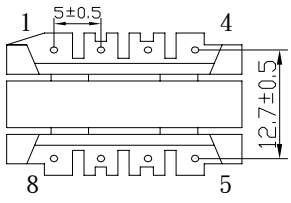
Shapes and dimensions unit: mm



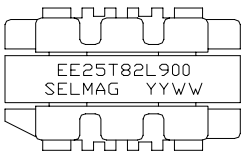
ELEVATION VIEW



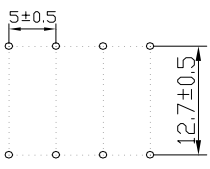
SIDE VIEW



BOTTOM VIEW



TOP VIEW



Recommended landing dimensions

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Application

1. Switching power supply
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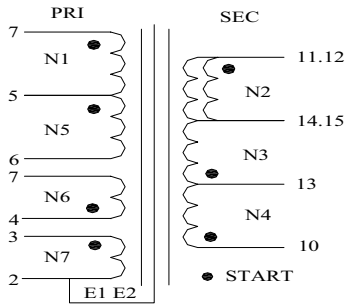
3. DVD
4. DC-DC converter

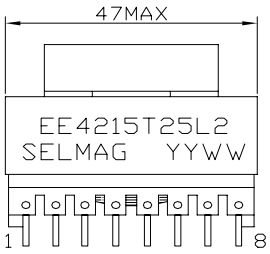
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
EE4215T25L2	(7-6):(10-14.15)=25:6 (7-6):(11-14)=25:12 (7-6):(4-7)=1:1 (7-6):(3-2)=25:3	(7-6)=2mH MIN	10uH MAX (sec short)	(7-6)=98mΩ MAX (4-7)=320mΩ MAX (3-2)=45mΩ MAX (10-14.15)=60mΩ MAX (11-14)=30mΩ MAX	pri to sec AC 3KV/5mA 1SEC pri to core AC 1.5KV/5mA 1SEC sec to core AC 1.5KV/5mA 1SEC	1KHz/0.25V

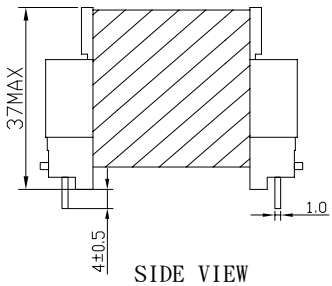
Schematics(bottom)



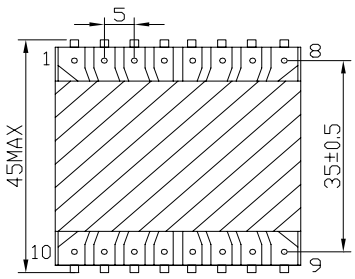
Shapes and dimensions unit: mm



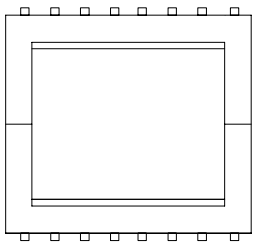
ELEVATION VIEW



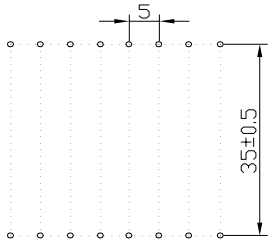
SIDE VIEW



BOTTOM VIEW



TOP VIEW



Recommended landing dimensions

Features

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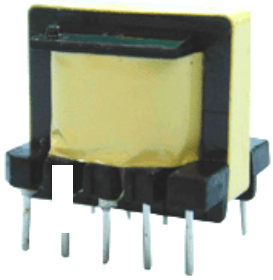


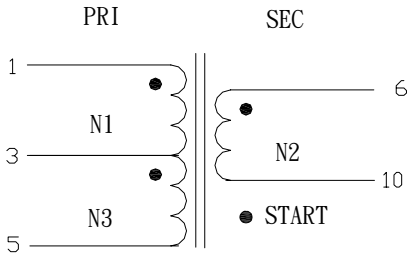
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

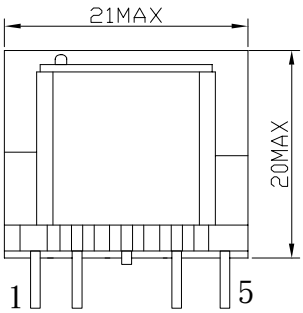
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25℃	Insulation withstand voltage	Test frequency voltage (KHz/V)
EE-19T98L770	(1-5):(6-10)=49:11	(1-5)=770uH±10%	30uH MAX (sec short)	(1-5)=2.3Ω MAX (6-10)=140mΩ MAX	pri to sec AC 3.0KV/5mA 1SEC pri to core AC 1.0KV/5mA 1SEC sec to core AC 1.0KV/5mA 1SEC	1KHz/0.25V

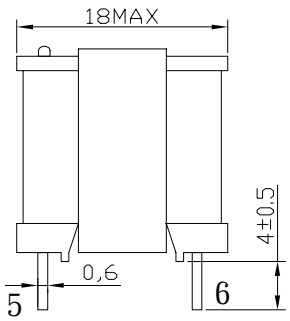
Schematics(bottom)



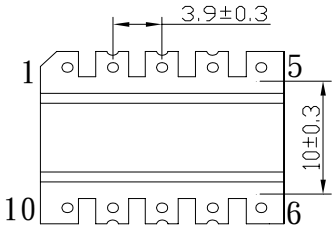
Shapes and dimensions unit: mm



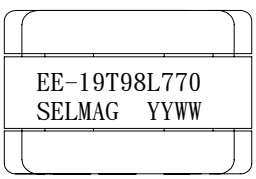
EVELATION VIEW



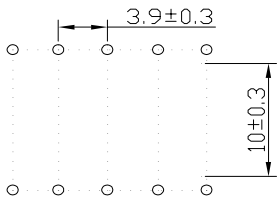
SIDE VIEW



BOTTOM VIEW



TOP VIEW



Recommended landing dimensions

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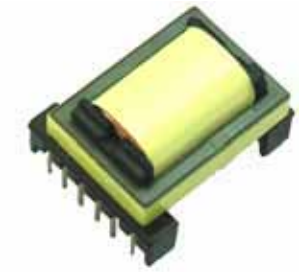


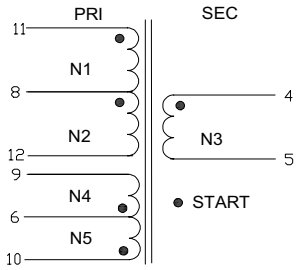
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

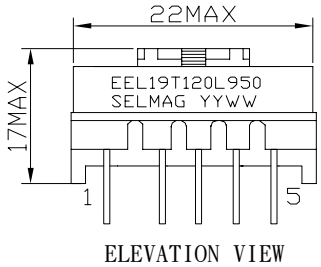
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
EEL19T120L950	(11-12):(4-5)=7:1 (10-9):(4-5)=12.3:8	(11-12)=950uH±10%	30uH MAX (sec short)	(11-12)=1.4Ω MAX	pri to sec AC 3KV/5mA 1SEC pri to core AC 1KV/5mA 1SEC sec to core AC 1KV/5mA 1SEC	1KHz/0.25V

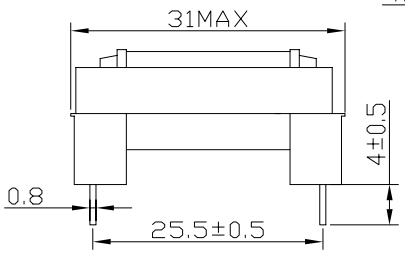
Schematics(bottom)



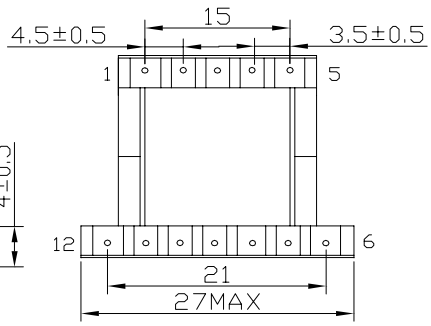
Shapes and dimensions unit: mm



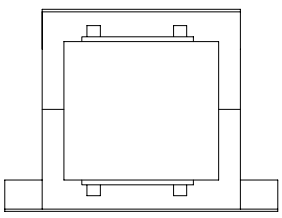
ELEVATION VIEW



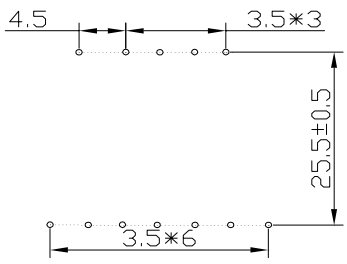
SIDE VIEW



BOTTOM VIEW



TOP VIEW



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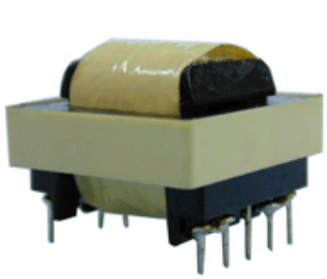


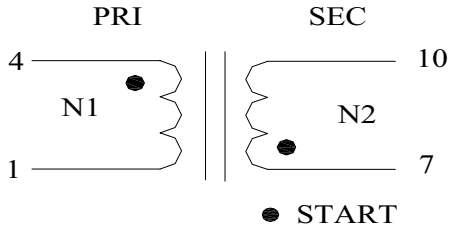
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

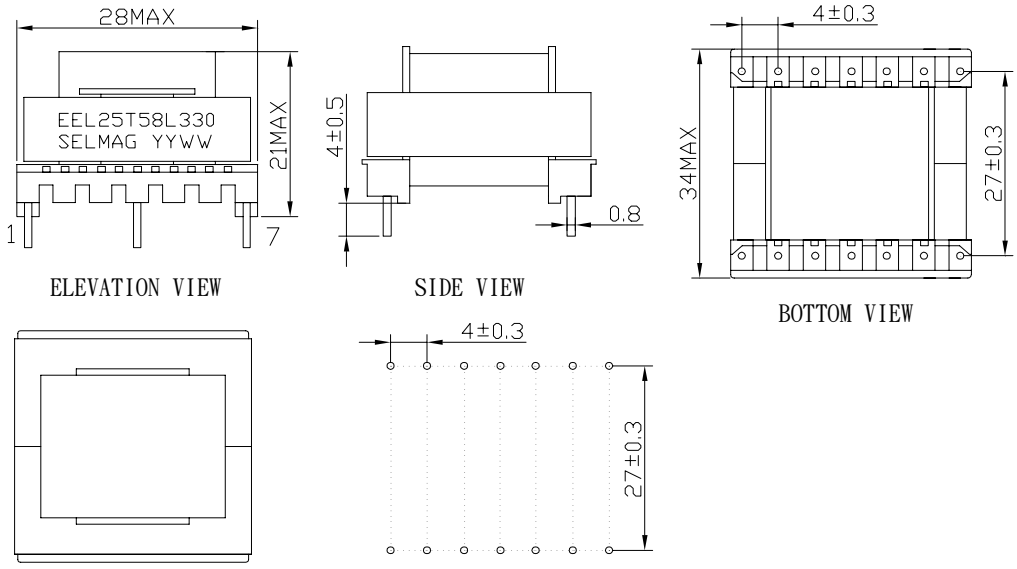
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25℃	Insulation withstand voltage	Test frequency voltage (KHz/V)
EEL25T58L330	(4-1):(7-10)=29:3	(4-1)=330uH±10%	100uH MAX (sec short)	(1-4)=650mΩ MAX (6-8)=800mΩ MAX	pri to sec AC 3.0KV/5mA 1SEC pri to core AC 1.0KV/5mA 1SEC sec to core AC 1.0KV/5mA 1SEC	1KHz/0.25V

Schematics(bottom)



Shapes and dimensions unit: mm



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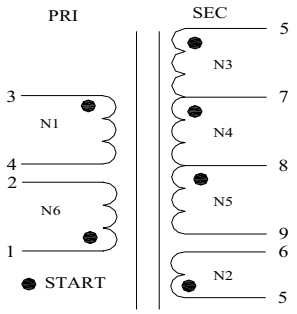
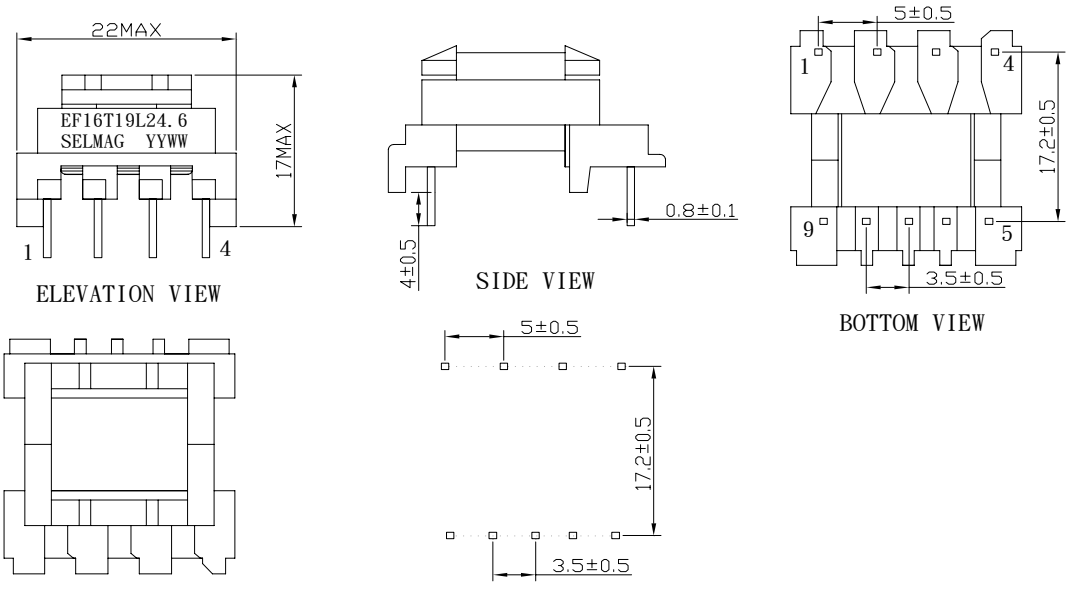
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
EF16T19L24.9	(8-9):(3-4)=1.9:1 (8-9):(5-6)=19:5 (8-9):(1-2)=19:5 (8-9):(5-8)=19:14	(8-9)=24.9uH±10%	100uH MAX (pri short)	(8-9)=860mΩ MAX (1-2)=237mΩ MAX (3-4)=15mΩ MAX (5-6)=14mΩ MAX (5-7)=47mΩ MAX (7-8)=375mΩ MAX	pri to sec AC 1.0KV/5mA 1SEC pri to core AC 0.5KV/5mA 1SEC sec to core AC 0.5KV/5mA 1SEC	1KHz/0.25V

Schematics(bottom)



Shapes and dimensions unit: mm



Features

1. Compact,light,easy surface mounting
2. Autometed mounting and reflow soldering
3. High impedance and low loss
4. The products contain no lead and also support lead-free soldering
5, All matrials ROHS compliance and use are UL listed

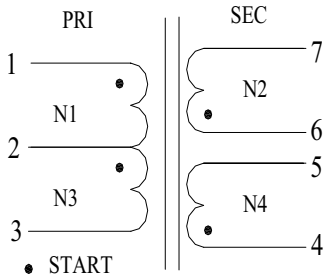
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

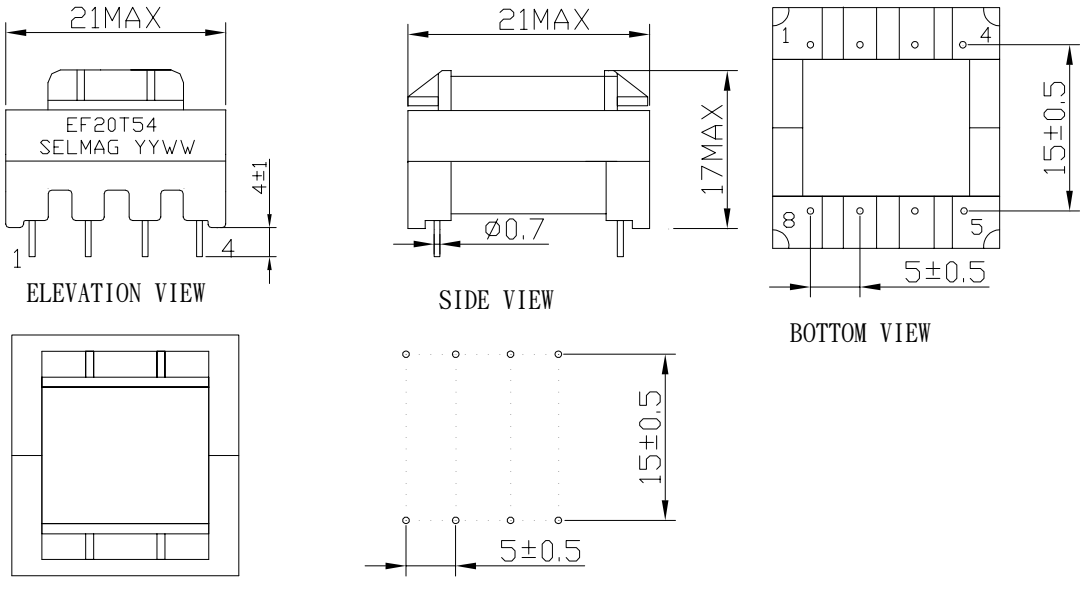
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
EF20T54	(1-3):(6-7)=27:2 (1-3):(5-4)=9:1	(1-3)=466.5uH±15%	30uH MAX (sec short)	(1-3)=550mΩ MAX	pri to sec AC 3KV/5mA 1SEC pri to core AC 1.5KV/5mA 1SEC sec to core AC 1.5KV/5mA 1SEC	1KHz/0.25V

Schematics(bottom)



Shapes and dimensions unit: mm



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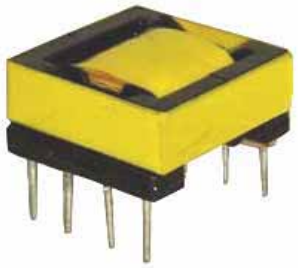


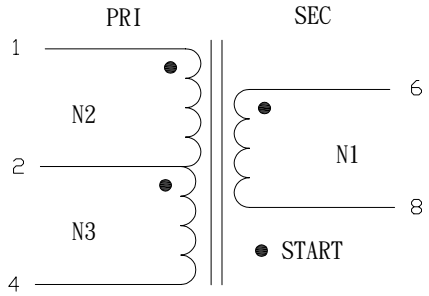
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

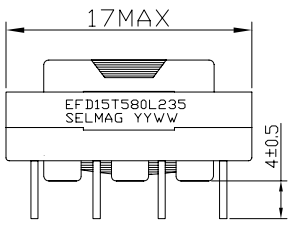
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
EFD15T580L235	(1-4):(6-8)=23:290	(6-8)=235mH±25%	200uH MAX (pri short)	(1-4)=180mΩ MAX (6-8)=2.5Ω MAX	pri to sec AC 1.0KV/5mA 1SEC pri to core AC 0.5KV/5mA 1SEC sec to core AC 0.5KV/5mA 1SEC	1KHz/0.25V

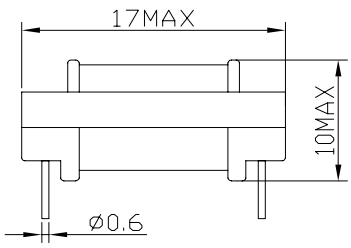
Schematics(bottom)



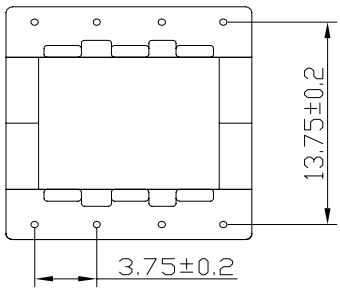
Shapes and dimensions unit: mm



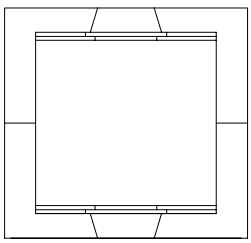
ELEVATION VIEW



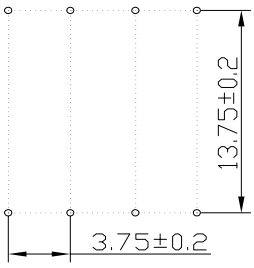
SIDE VIEW



BOTTOM VIEW



TOP VIEW



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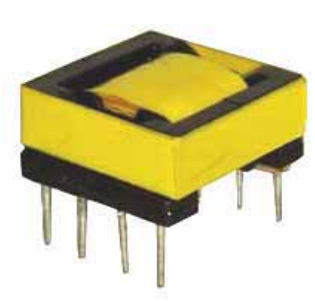


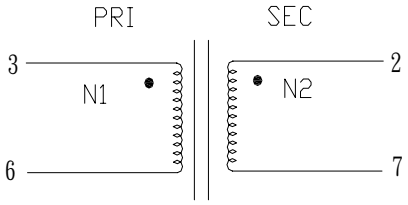
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

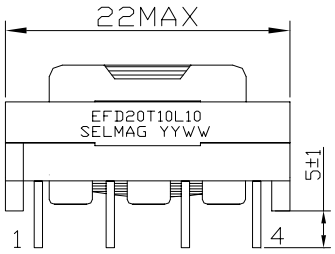
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
EFD20T10L10	(3-6):(2-7)=1:1	(3-6)=10uH±10%	NA	(3-6)=44mΩ MAX (2-7)=48mΩ MAX	pri to sec AC 2KV/5mA 1SEC pri to core AC 1KV/5mA 1SEC sec to core AC 1KV/5mA 1SEC	1KHz/0.25V

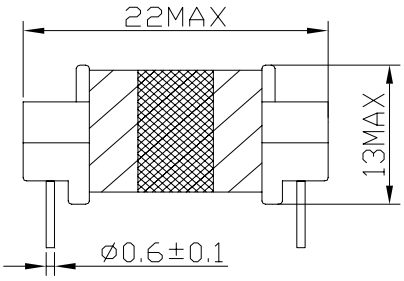
Schematics(bottom)



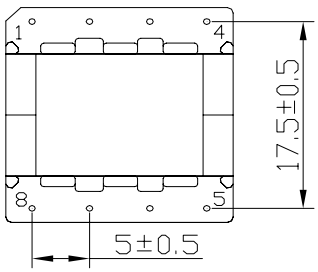
Shapes and dimensions unit: mm



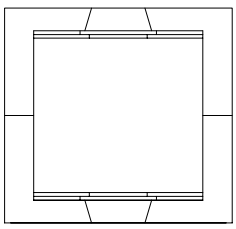
ELEVATION VIEW



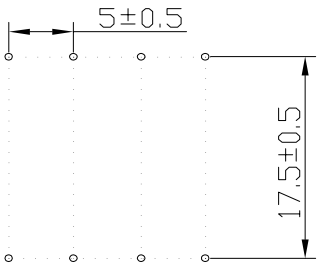
SIDE VIEW



BOTTOM VIEW



TOP VIEW



Recommended landing dimensions

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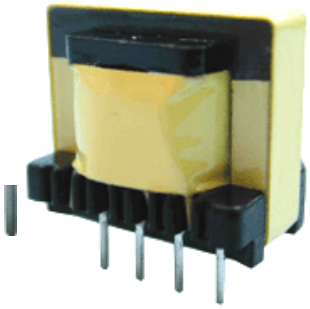


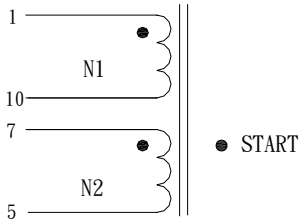
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

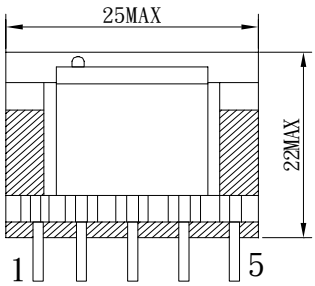
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25℃	Insulation withstand voltage	Test frequency voltage (KHz/V)
EI22T74.5L2	(1-10):(7-5)=14.9:3.3	(1-10)=2mH±10%	NA	(1-10)=820mΩ MAX (7-5)=46mΩ MAX	pri to sec AC 3.0KV/5mA 1SEC pri to core AC 1.0KV/5mA 1SEC sec to core AC 1.0KV/5mA 1SEC	1KHz/0.25V

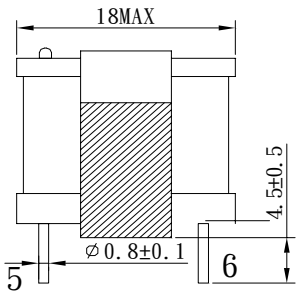
Schematics(bottom)



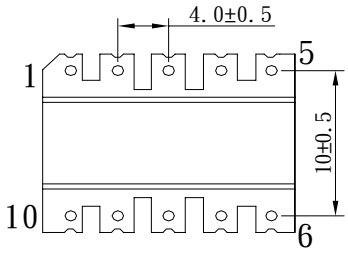
Shapes and dimensions unit: mm



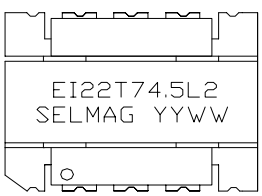
ELEVATION VIEW



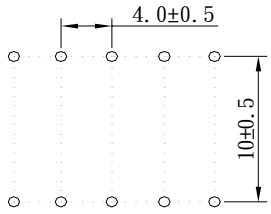
SIDE VIEW



BOTTOM VIEW



TOP VIEW



Recommended landing dimensions

Features

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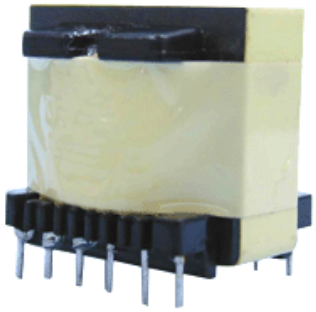


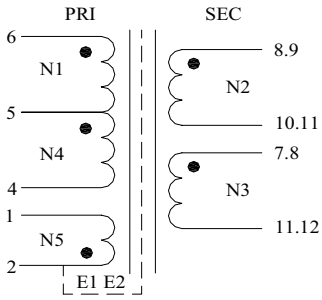
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

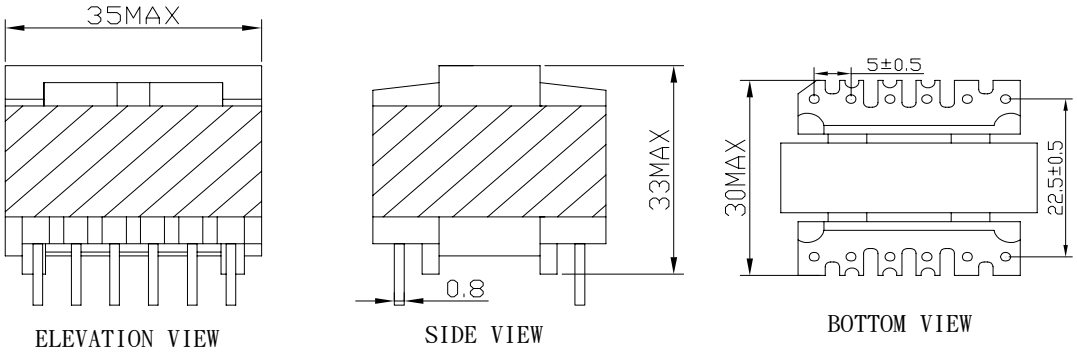
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
EI33T44L7.8	(6-4):(8.9-10.11)=11:1 (6-4):(7.8-11.12)=11:1 (6-4):(2-1)=44:5	(6-4)=6.3mH MIN	30uH MAX (sec short)	(6-4)=30mΩ MAX (2-1)=145mΩ MAX (8.9-10.11)=3.5mΩ MAX (7.8-11.12)=3.5mΩ	pri to sec AC 3KV/5mA 1SEC pri to core AC 1.5KV/5mA 1SEC sec to core AC 1.5KV/5mA 1SEC	1KHz/0.25V

Schematics(bottom)



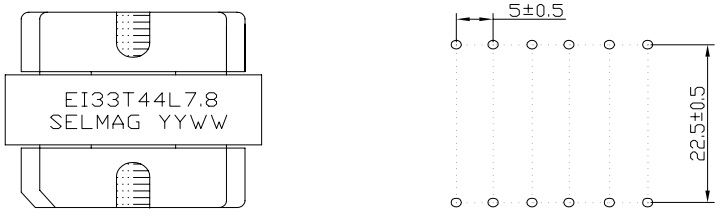
Shapes and dimensions unit: mm



ELEVATION VIEW

SIDE VIEW

BOTTOM VIEW



TOP VIEW

Recommended landing dimensions

Features

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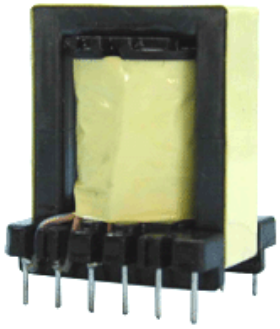


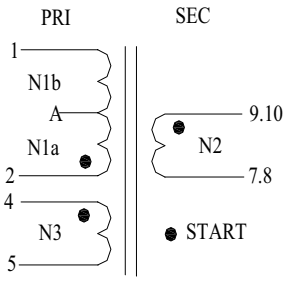
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

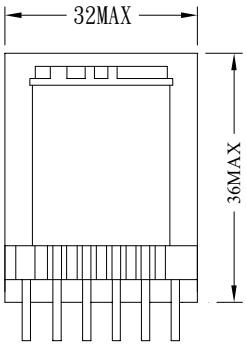
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
ERL28T60	(2-1):(9.10-7.8)=6:1 (4-5):(9.10-7.8)=7:10	(2-1)=900uH±10% (9.10-7.8)=25uH±10%	30uH MAX (sec short)	(2-1)=300mΩ MAX (9.10-7.8)=30mΩ MAX (4-5)=290mΩ MAX	pri to sec AC 3KV/5mA 1SEC pri to core AC 1.5KV/5mA 1SEC sec to core AC 1.5KV/5mA 1SEC	1KHz/0.25V

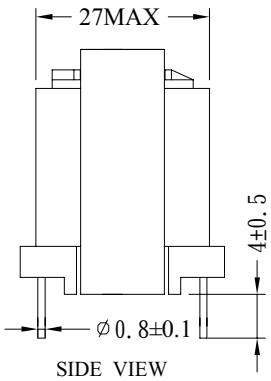
Schematics(bottom)



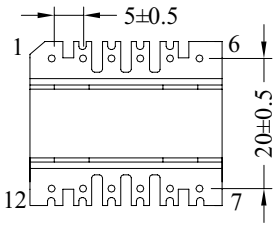
Shapes and dimensions unit: mm



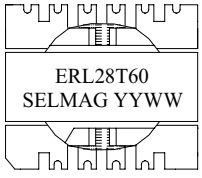
ELEVATION VIEW



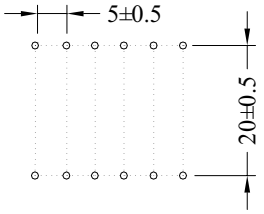
SIDE VIEW



BOTTOM VIEW



TOP VIEW



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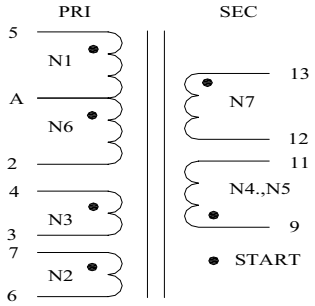
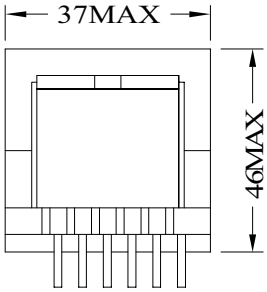
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
ERL35T45L5	(5-2):(13-12)=55:2 (5-2):(9-11)=11:3 (5-2):(7-6)=11:3 (5-2):(4-3)=55:3	(5-2)=5mH MIN	10uH MAX (sec short)	(5-2)=350mΩ MAX (9-11)=100mΩ MAX (7-6)=250mΩ MAX (4-3)=30mΩ MAX	pri to sec AC 3KV/5mA 1SEC pri to core AC 1.0KV/5mA 1SEC sec to core AC 1.0KV/5mA 1SEC	1KHz/0.25V

Schematics(bottom)



Shapes and dimensions unit: mm



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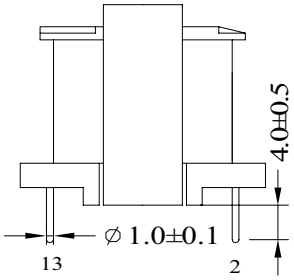
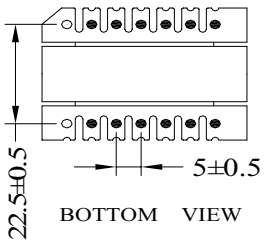
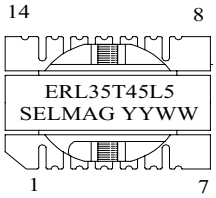


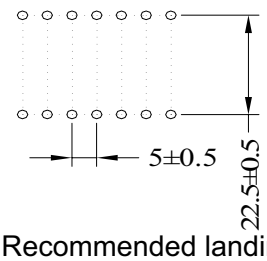
SIDE VIEW



BOTTOM VIEW



TOP VIEW



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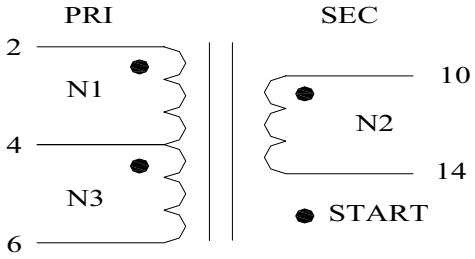
3. DVD
4. DC-DC converter

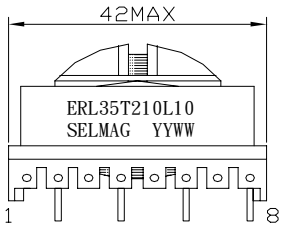
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
ERL35T210L10	(2-6):(10-14)=35:8 (2-4):(4-6)=1:1	(2-6)=10mH±10%	50uH MAX (sec short)	(2-6)=2.1Ω MAX (10-14)=108mΩ MAX	pri to sec AC 3.0KV/5mA 1SEC pri to core AC 1.0KV/5mA 1SEC sec to core AC 1.0KV/5mA 1SEC	1KHz/0.25V

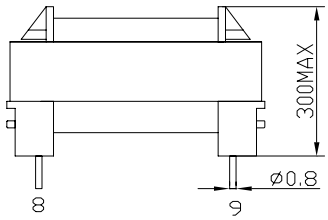
Schematics(bottom)



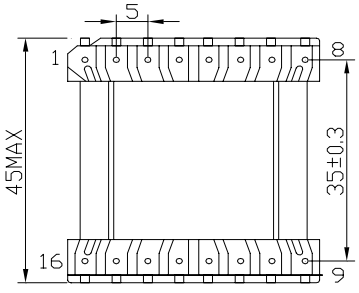
Shapes and dimensions unit: mm



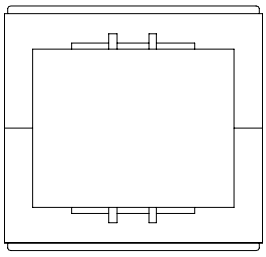
EVELATION VIEW



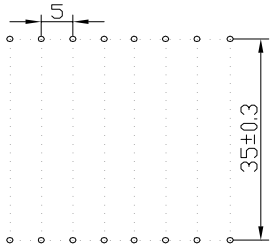
SIDE VIEW



BOTTOM VIEW



TOP VIEW



Recommended landing dimensions

Features

1. Compact,light,easy surface mounting
2. Autometed mounting and reflow soldering
3. High impedance and low loss
4. The products contain no lead and also support lead-free soldering
5, All matrials ROHS compliance and use are UL listed

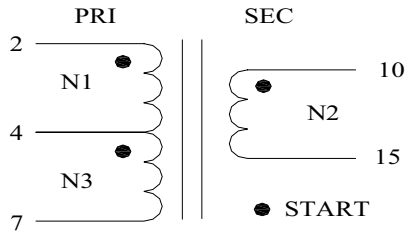
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

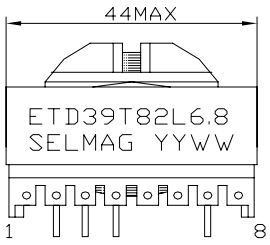
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
ETD39T82L6.8	(2-7):(10-15)=41:25	(2-7)=6.8mH±10%	30uH MAX (sec short)	(2-7)=358mΩ MAX (10-15)=112mΩ MAX	pri to sec AC 3KV/5mA 1SEC pri to core AC 1.5KV/5mA 1SEC sec to core AC 1.5KV/5mA 1SEC	1KHz/0.25V

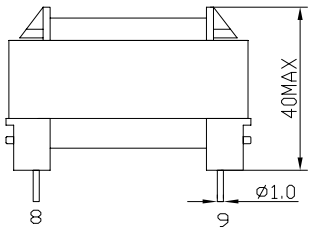
Schematics(bottom)



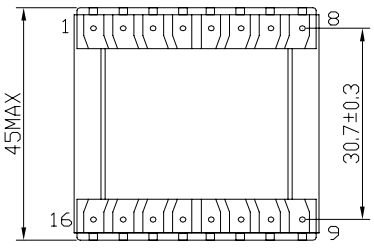
Shapes and dimensions unit: mm



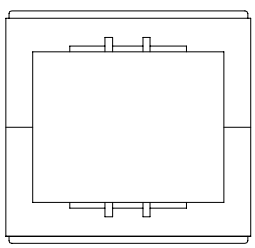
ELEVATION VIEW

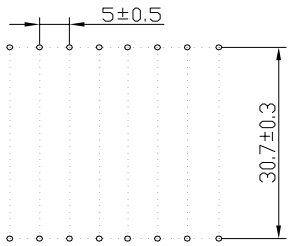


SIDE VIEW



BOTTOM VIEW

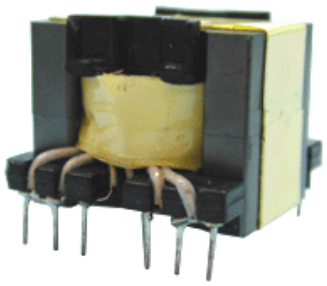




Recommended landing dimensions

Features

1. Compact,light,easy surface mounting
2. Autometed mounting and reflow soldering
3. High impedance and low loss
4. The products contain no lead and also support lead-free soldering
5, All matrials ROHS compliance and use are UL listed



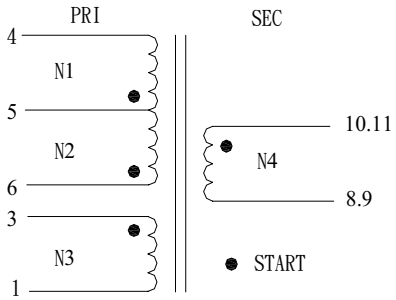
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

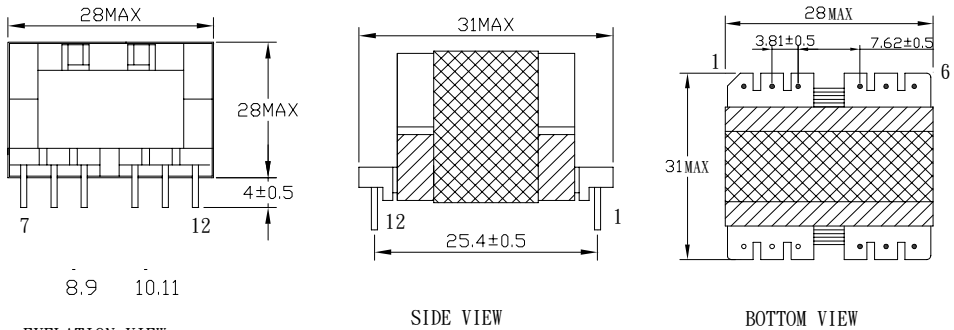
Electrical characteristics

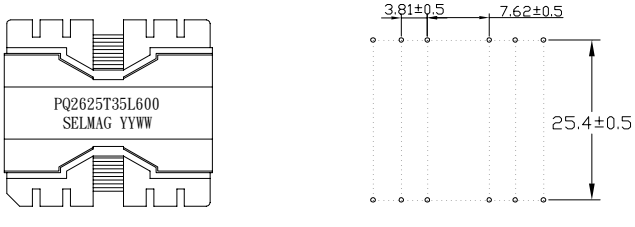
Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
PQ2625T35L600	(6-4):(10.11-8.9)=35:6 (6-4):(3-1)=35:3	(6-4)=600uH±10%	50uH MAX (sec short)	(6-4)=220mΩ MAX (10.11-8.9)=23mΩ MAX (3-1)=70mΩ MAX	pri to sec AC 3.0KV/5mA 1SEC pri to core AC 1.0KV/5mA 1SEC sec to core AC 1.0KV/5mA 1SEC	1KHz/0.25V

Schematics(bottom)



Shapes and dimensions unit: mm





Recommended landing dimensions

Features

1. Compact,light,easy surface mounting
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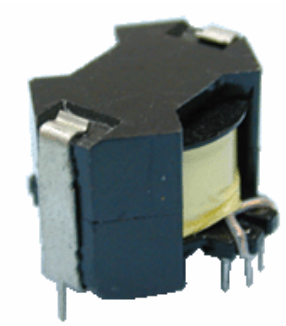


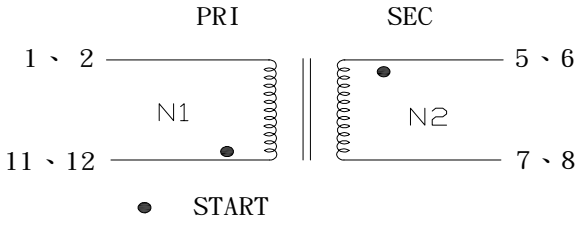
Application

1. Switching power supply
2. Computer products
3. DVD
4. DC-DC converter

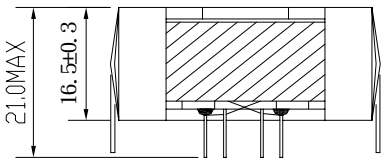
Electrical characteristics

Model No.	Winding ratio Primary secondery	Inductance	secondery leakage inductance	DC Resistance at:25°C	Insulation withstand voltage	Test frequency voltage (KHz/V)
RM8T49L960	(1.2-11.12):(5.6-7.8)=49:8	(1.2-11.12)=960uH±10% (5.6-7.8)=26uH±10%	80uH MAX (sec short)	(1.2-11.12)=1.25Ω MAX (5.6-7.8)=250mΩ MAX	pri to sec AC 1.0KV/5mA 1SEC pri to core AC 0.5KV/5mA 1SEC sec to core AC 0.5KV/5mA 1SEC	1KHz/0.25V

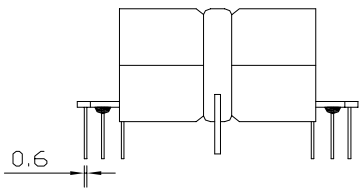
Schematics(bottom)



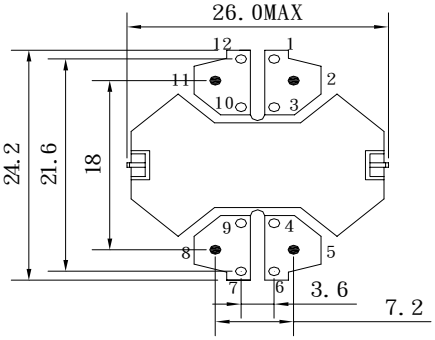
Shapes and dimensions unit: mm



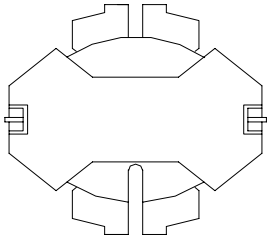
ELEVATION VIEW



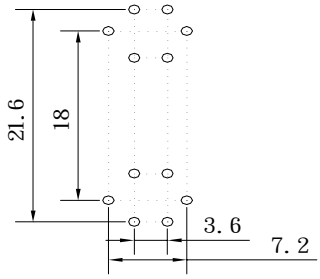
SIDE VIEW



BOTTOM VIEW

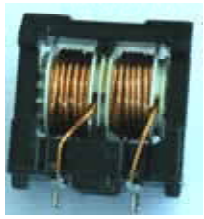


TOP VIEW



Recommended landing dimensions

Model NO : ＃ET24



Features

- Compact size but large inductance
- Conformity with safety standards
- Wide frequency range attenuation

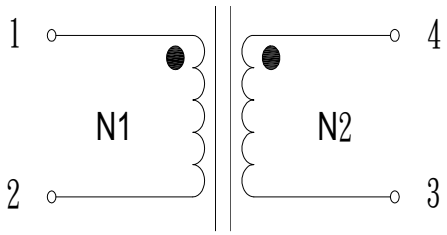
Applications

- TVs, display terminals
- Faxes, copiers, printers
- Power supplies

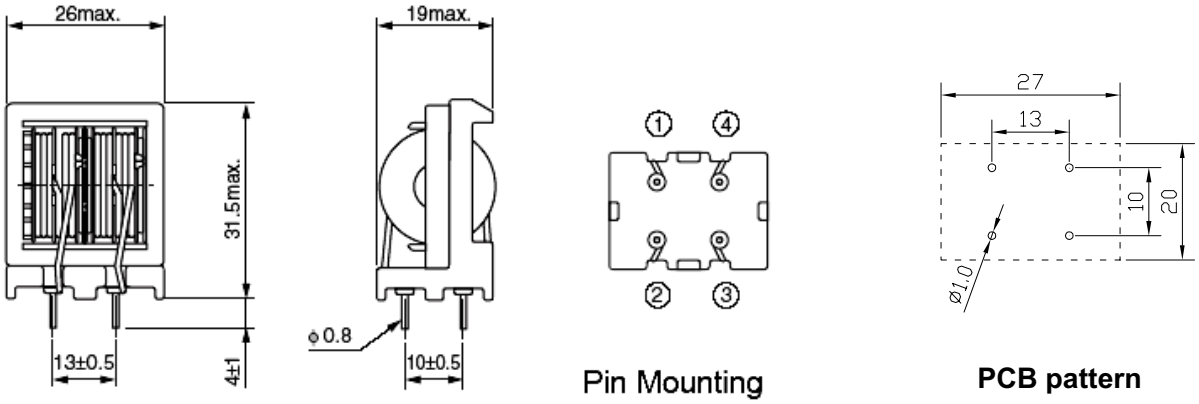
Electrical characteristics (Test frequencyvoltage 1KHz/0.25V @25℃)

Model No.	Rated curent	Inductance (mH) min 1KHz,	DC resistance (mΩ) max	Rated voltage	Withstand voltage min	Insulation resistance min
＃ET24A	1.0	15.0	590.0	AC250V	AC2000V,1s	DC500V 100MΩ
＃ET24B	1.5	7.0	270.0	AC250V	AC2000V,1s	DC500V 100MΩ
＃ET24C	2.0	3.0	130.0	AC250V	AC2000V,1s	DC500V 100MΩ
＃ET24D	2.5	2.0	95.0	AC250V	AC2000V,1s	DC500V 100MΩ

Schematics(bottom)



Shapes and dimensions unit: mm



Model NO : ＃ET29.5

Features

- Compact size but large inductance
- Conformity with safety standards
- Wide frequency range attenuation

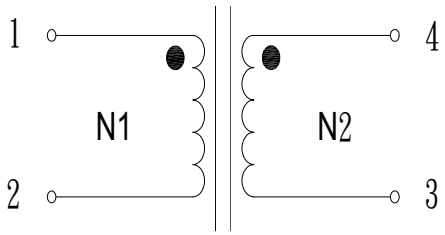
Applications

- TVs, display terminals
- Faxes, copiers, printers
- Power supplies

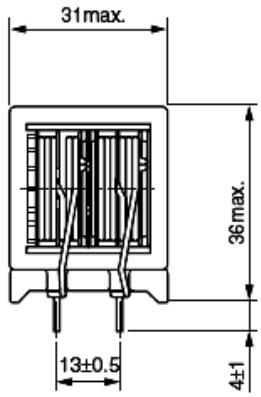
Electrical characteristics (Test frequencyvoltage 1KHz/0.25V @25℃)

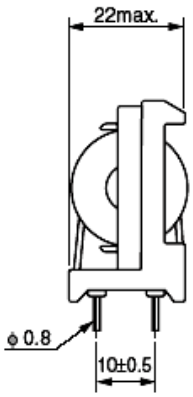
Model No.	Rated curent	Inductance (mH) min 1KHz,	DC resistance (mΩ) max	Rated voltage	Withstand voltage min	Insulation resistance min
＃ET29.5A	1.0	25.0	650.0	AC250V	AC2000V,1s	DC500V 100MΩ
＃ET29.5B	1.5	16.0	350.0	AC250V	AC2000V,1s	DC500V 100MΩ
＃ET29.5C	2.0	8.0	220.0	AC250V	AC2000V,1s	DC500V 100MΩ
＃ET29.5D	2.5	5.6	160.0	AC250V	AC2000V,1s	DC500V 100MΩ

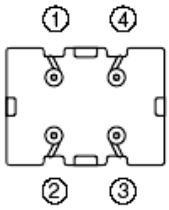
Schematics(bottom)



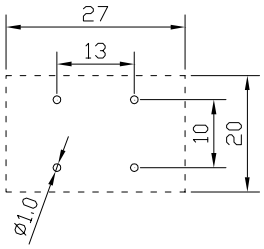
Shapes and dimensions unit: mm







Pin Mounting



PCB pattern

Model NO : ＃UU12H

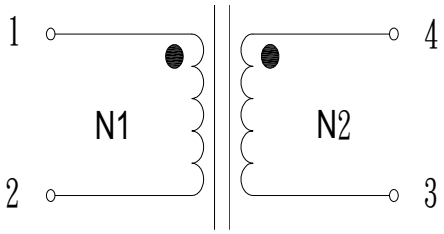
Features

- Common-mode choke coils are useful in a wide range of prevention of electromagnetic interference (EMI) and radio frequency interference (RFI) from power supply lines and for prevention of malfunctioning of various electronic equipment.
- Features include low leakage flux, high self-resonant frequency, high impedance at applicable frequency and low stray capacitance in section winding

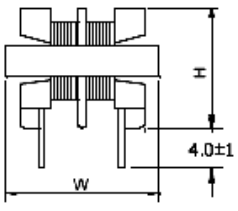
Electrical characteristics (Test frequencyvoltage 1KHz/0.25V @25℃)

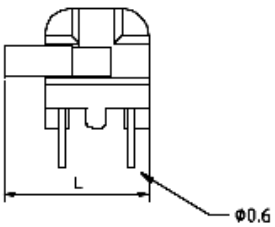
Model No.	Inductance (mH) MIN.	Inductance* Difference (uH) MAX.	D.C. Resistance (O) MAX.	Rated Current (A)	Dimension WxL*H (mm MAX.)	Pin Mounting A*B(mm)±0.5
#UU12HA	10	200	3.5	0.25	17.5*15.5*12	8*7
#UU12HB	10	200	8	0.1		
#UU12HC	5	100	6	0.1		
#UU12HD	8	200	6	0.2		
#UU12HE	5	100	4.5	0.2		
#UU12HF	5	100	3	0.3		
#UU12HG	2.8	70	1	0.5		
#UU12HH	1.3	50	0.5	0.7		
#UU12HJ	0.6	25	0.2	1		
#UU12HK	0.2	25	0.1	0.1		

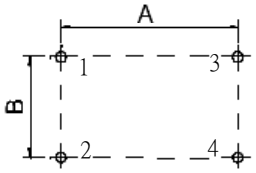
Schematics(bottom)



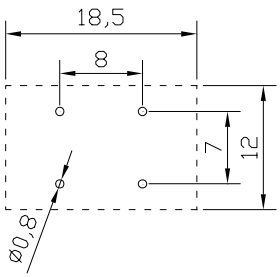
Shapes and dimensions unit: mm







Pin Mounting



PCB pattern

*Indicates the inductance difference between the coil L1 and L2
**Different inductance and current products are available upon request

Model NO : ＃UU12V

Features

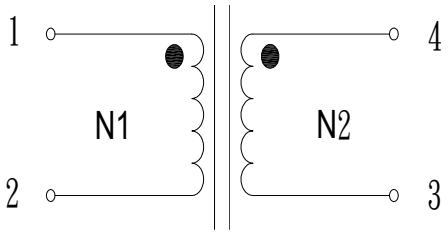
- Common-mode choke coils are useful in a wide range of prevention of electromagnetic interference (EMI) and radio frequency interference (RFI) from power supply lines and for prevention of malfunctioning of various electronic equipment.
- Features include low leakage flux, high self-resonant frequency, high impedance at applicable frequency and low stray capacitance in section winding

RoHS

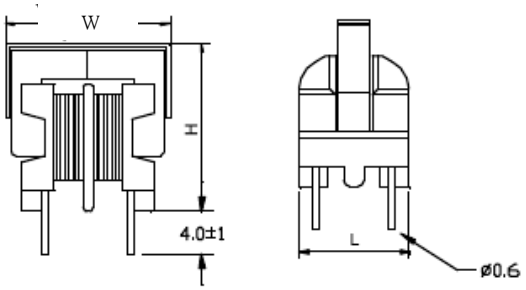
Electrical characteristics (Test frequencyvoltage 1KHz/0.25V @25℃)

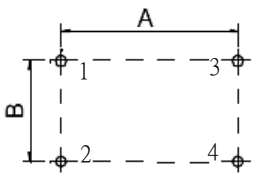
Model No.	Inductance (mH) MIN.	Inductance* Difference (uH) MAX.	D.C. Resistance (O) MAX.	Rated Current (A)	Dimension WxL*H (mm MAX.)	Pin Mounting A*B(mm)±0.5
#UU12VA	10	200	3.5	0.25	17.5*11*17	8*7
#UU12VB	10	200	8	0.1		
#UU12VC	5	100	6	0.1		
#UU12VD	8	200	6	0.2		
#UU12VE	5	100	4.5	0.2		
#UU12VF	5	100	3	0.3		
#UU12VG	2.8	70	1	0.5		
#UU12VH	1.3	50	0.5	0.7		
#UU12VJ	0.6	25	0.2	1		
#UU12VK	0.2	25	0.1	0.1		

Schematics(bottom)

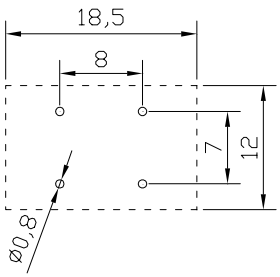


Shapes and dimensions unit: mm





Pin Mounting



PCB pattern

*Indicates the inductance difference between the coil L1 and L2
**Different inductance and current products are available upon request

Model NO : ＃UU14

Features

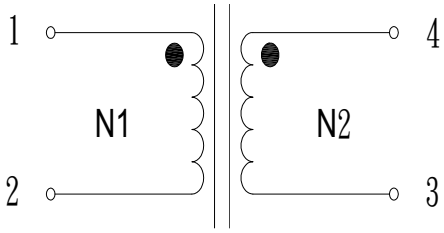
- Common-mode choke coils are useful in a wide range of prevention of electromagnetic interference (EMI) and radio frequency interference (RFI) from power supply lines and for prevention of malfunctioning of various electronic equipment.
- Features include low leakage flux, high self-resonant frequency, high impedance at applicable frequency and low stray capacitance in section winding

RoHS

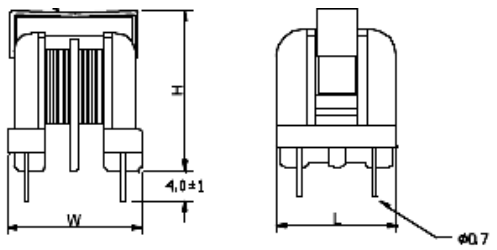
Electrical characteristics (Test frequencyvoltage 1KHz/0.25V @25℃)

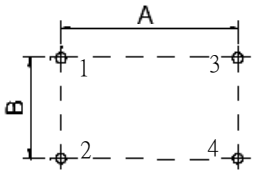
Model No.	Inductance (mH) MIN.	Inductance* Difference (uH) MAX.	D.C. Resistance (O) MAX.	Rated Current (A)	Dimension WxL*H (mm MAX.)	Pin Mounting A*B(mm)±0.5
#UU14A	10	220	3	0.3	19*17*22	13*10
#UU14B	5	120	2	0.3		
#UU14C	5	120	1.5	0.5		
#UU14D	4	100	1	0.7		
#UU14E	3	70	0.5	1		
#UU14F	2	50	0.5	1		
#UU14G	1	50	0.3	1.3		
#UU14H	1	50	0.2	1.5		
#UU14J	0.6	25	0.15	2		

Schematics(bottom)

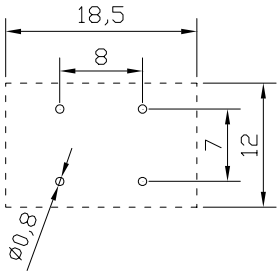


Shapes and dimensions unit: mm





Pin Mounting



PCB pattern

*Indicates the inductance difference between the coil L1 and L2
**Different inductance and current products are available upon request

Model NO : ＃UU15.7

Features

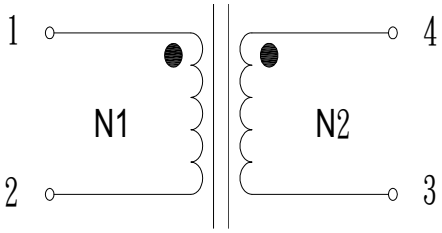
- Common-mode choke coils are useful in a wide range of prevention of electromagnetic interference (EMI) and radio frequency interference (RFI) from power supply lines and for prevention of malfunctioning of various electronic equipment.
- Features include low leakage flux, high self-resonant frequency, high impedance at applicable frequency and low stray capacitance in section winding

RoHS

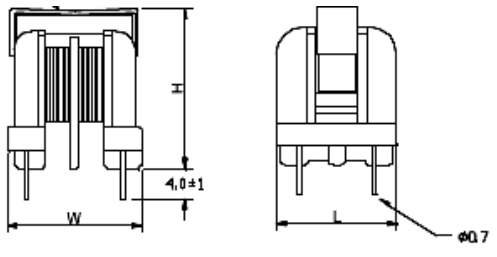
Electrical characteristics (Test frequencyvoltage 1KHz/0.25V @25℃)

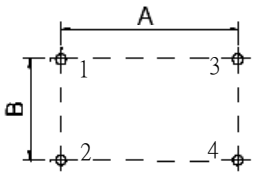
Model No.	Inductance (mH) MIN.	Inductance* Difference (uH) MAX.	D.C. Resistance (O) MAX.	Rated Current (A)	Dimension WxL*H (mm MAX.)	Pin Mounting A*B(mm)±0.5
#UU15.7A	30	500	2.8	0.4	23*19.5*27.5	13*10
#UU15.7B	20	400	2.2	0.4		
#UU15.7C	20	400	1.6	0.5		
#UU15.7D	10	200	1.2	0.6		
#UU15.7E	8	200	0.8	0.8		
#UU15.7F	6	120	0.7	0.8		
#UU15.7G	6	120	0.5	1		
#UU15.7H	4	100	0.4	1		
#UU15.7J	3.5	70	0.3	1.2		
#UU15.7K	2.5	50	0.25	1.2		
#UU15.7L	1.5	50	0.15	1.5		

Schematics(bottom)

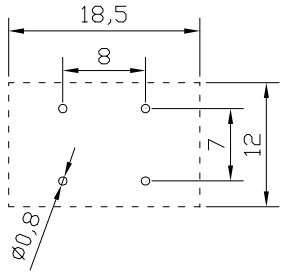


Shapes and dimensions unit: mm





Pin Mounting

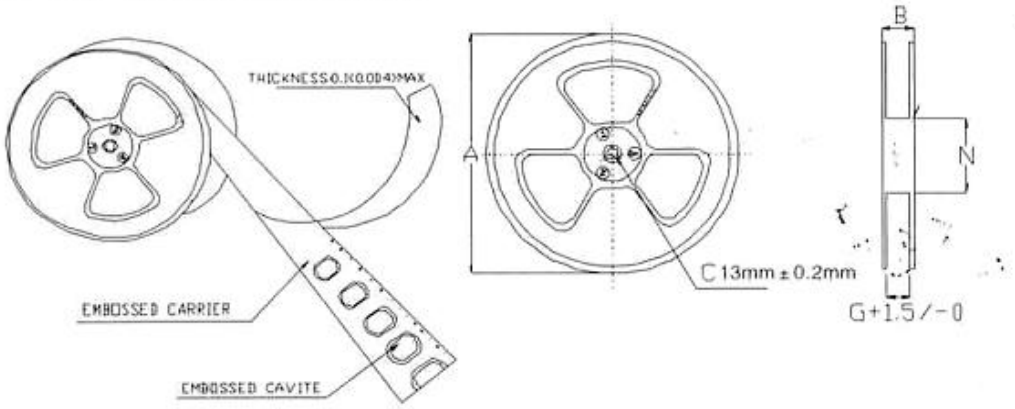


PCB pattern

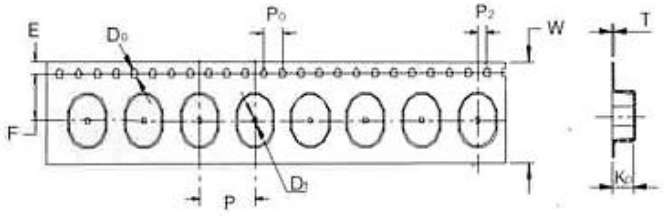
*Indicates the inductance difference between the coil L1 and L2
**Different inductance and current products are available upon request

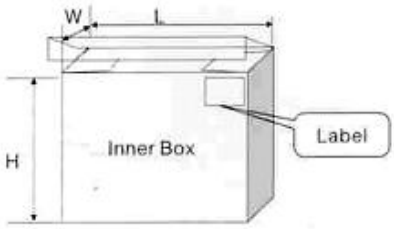
Real Packing of SMD Inductors

Tape and Reel Dimensions(Unit : mm)

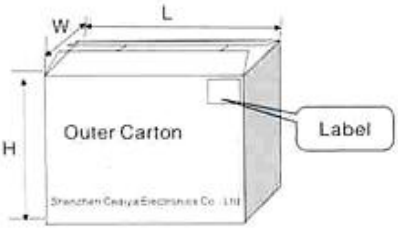


2. Tape Dimensions





Inner Box



Outer Carton

客户: Customer:	产品名称: Product name:
客户料号: Material NO:	产品型号: Pare NO:
数量: Quantity:	流水号: Lot NO:
日期: Date:	订单号: PO NO:

Label

DIM：mm

ITEM	L	W	H
DIM	340	68	340

Inner Box Dimensions

DIM：mm

ITEM	L	W	H
DIM	360	360	360

Outer Carton Dimensions

Note:

(1) There are at least 10 blank spaces at both ends of tape which do not include the coils .

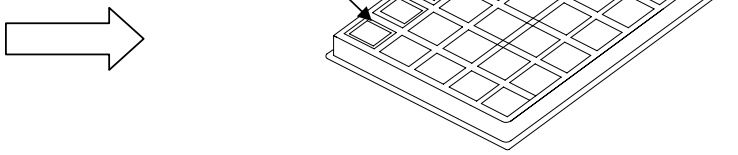
(2) The coils are positioned with the bonding surface facing bottom of the pocket.

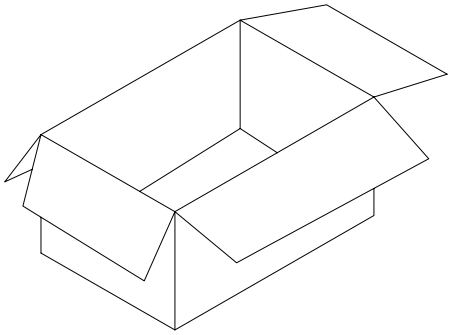
(3) The deficiency per reel is within 0.5%.

RoHS

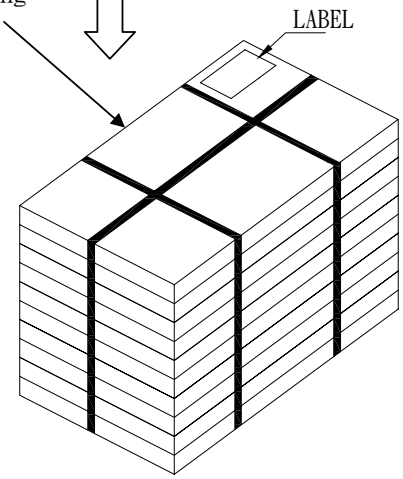
Packaging spec and dimersions **UNIT:mm**

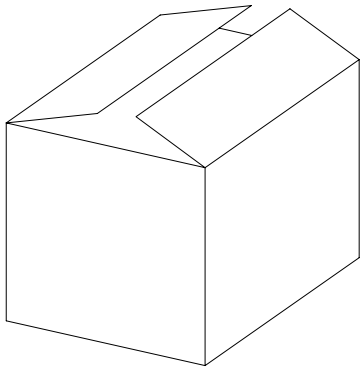
All products should be toward the same direction





Putting the paper cards between
Clear plastic boxand fixing it with rubber band.





RoHS

Packaging note:

Packing Method: plastic packaging
Packing material: plastic
Putting pattern: