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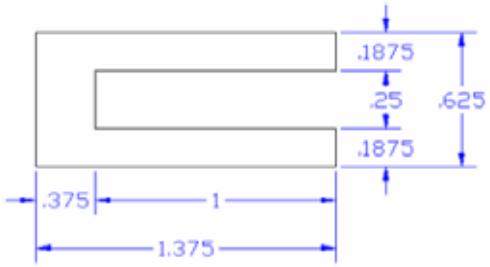
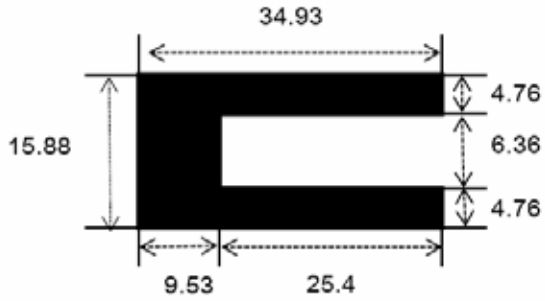
BLACK OXIDE CORES SEL-18DU



(All dimensions in inch)



Tolerance : ± 0.08mm

(All dimensions in mm)

PROPERTIES OF SQUARE STACK

VOLUME & WEIGHT

VOLUME	.132 in. cubed	2.16 cm. cubed
WINDOW AREA	.156 in. squared	1.00 cm. squared

MAGNETIC PATH DIMENSION

I = 7.30 cm

A = 0.227 cm. squared

K_1 (STACKING FACTOR)

Thickness (mm)	Butt Jointed	Interleaved one per layer
0.1	0.90	0.80
0.2	0.90	0.85
0.35	0.95	0.90

MATERIAL GRADE	THICKNESS(mm)	WEIGHT AND NUMBERS	
		g/pcs	pcs/kg
PC (Ni80%Mo5%)	0.345t	1.1971	835
PB (Ni48%Fe bal.)	0.345t	1.1558	865

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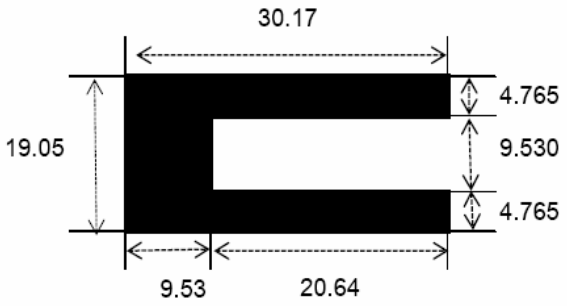

Tolerance : ± 0.08mm (All dimensions in mm)

PROPERTIES OF SQUARE STACK

MAGNETIC DESIGN FORMULAR

Bmax = 766×10^3 / K_1N(Gauss per Volt at 60Hz)
(N= Number of turns)

H_o = (0.196×10^{-3}) N Oersted per milliampere of direct current in winding

L = $(0.0961 \times 10^{-8})K_1N^2$ μ ac Henries

MAGNETIC PATH DIMENSION

ℓ = 6.40 cm

A = 0.49 cm^2

K_1 (STACKING FACTOR)

Thickness (mm)	Butt Jointed	Interleaved one per layer
0.1	0.90	0.80
0.2	0.90	0.85
0.35	0.95	0.90

MATERIAL GRADE	THICKNESS(mm)	WEIGHT AND NUMBERS	
		g/pcs	pcs/kg
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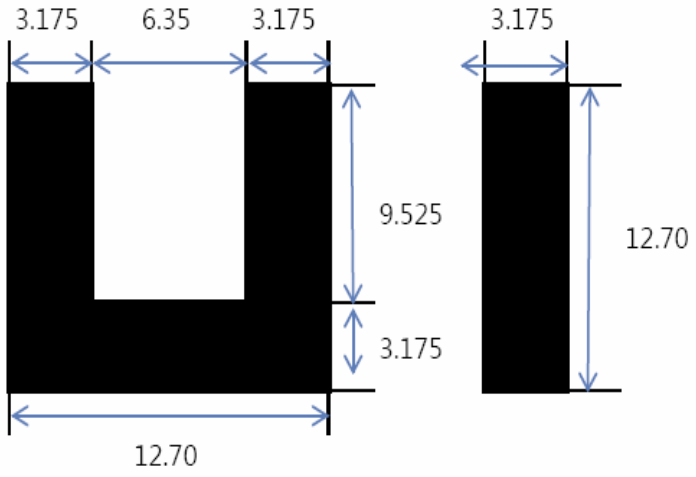

Tolerance : ± 0.08mm

(All dimensions in mm)

PROPERTIES OF SQUARE STACK

MAGNETIC DESIGN FORMULAR

Bmax = 3,753 x 10^3 / K_1N(Gauss per Volt at 60Hz)
(N= Number of turns)

H_o = (0.439 x 10^{-3}) N Oersted per milliampere of direct current in winding

L = (0.0439 x 10^{-8})K^1N μ ac Henries

MAGNETIC PATH DIMENSION

I = 2.86 cm

A = 0.1 cm^2

K_1 (STACKING FACTOR)

Thickness (mm)	Butt Jointed	Interleaved one per layer
0.1	0.90	0.80
0.2	0.90	0.85
0.35	0.95	0.90

MATERIAL GRADE	THICKNESS(mm)	WEIGHT AND NUMBERS	
		g/pcs	pcs/kg
PC (Ni80%Mo5%)	0.195t U 0.195t I	0.1764 0.0882	5,669 11,337

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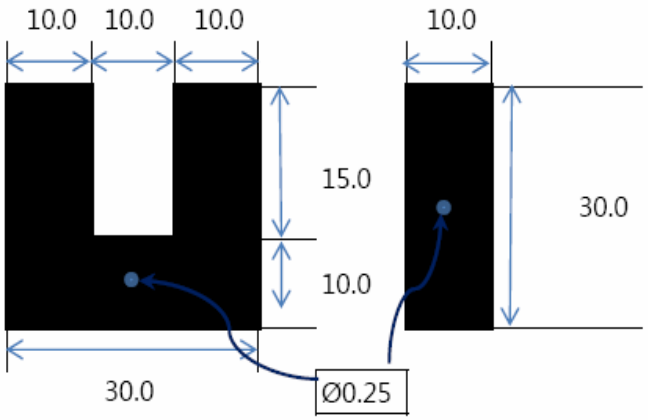

Tolerance : ± 0.08mm

(All dimensions in mm)

PROPERTIES OF SQUARE STACK

MAGNETIC DESIGN FORMULAR

Bmax = 766 x 10^3 / K_1N(Gauss per Volt at 60Hz)
(N= Number of turns)

H_o = (0.196 x 10^{-3}) N Oersted per milliampere of direct current in winding

L = (0.0961 x 10^{-8})K_1N^2 μ ac Henries

MAGNETIC PATH DIMENSION

l = 6.40 cm

A = 0.49 cm^2

K_1 (STACKING FACTOR)

Thickness (mm)	Butt Jointed	Interleaved one per layer
0.1	0.90	0.80
0.2	0.90	0.85
0.35	0.95	0.90

MATERIAL GRADE	THICKNESS(mm)	WEIGHT AND NUMBERS	
		g/pcs	pcs/kg
PC (Ni80%Mo5%)	0.345t U 0.345t I	1.8113 0.9057	552 1,104

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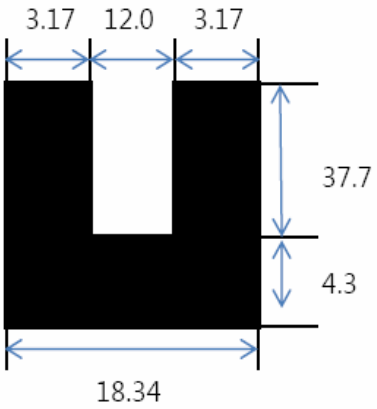
BLACK OXIDE CORES SEL-18.34UI



Tolerance : ± 0.08mm

(All dimensions in mm)

PROPERTIES OF SQUARE STACK

MAGNETIC DESIGN FORMULAR

Bmax = 766 x 10^3 / K_1N(Gauss per Volt at 60Hz)
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H_o = (0.196 x 10^{-3}) N Oersted per milliampere of direct current in winding

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MAGNETIC PATH DIMENSION

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Thickness (mm)	Butt Jointed	Interleaved one per layer
0.1	0.90	0.80
0.2	0.90	0.85
0.35	0.95	0.90

MATERIAL GRADE	THICKNESS(mm)	WEIGHT AND NUMBERS	
		g/pcs	pcs/kg
PC (Ni80%Mo5%)	0.345t U	0.9680	1,033

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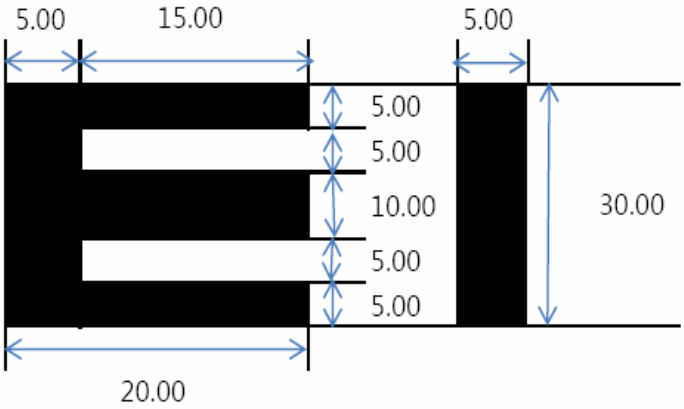
BLACK OXIDE CORES SEL-30EI



Tolerance : ± 0.08mm

(All dimensions in mm)

PROPERTIES OF SQUARE STACK

MAGNETIC DESIGN FORMULAR

Bmax = 766 x 10^3 / K_1N(Gauss per Volt at 60Hz)
(N= Number of turns)

H_o = (0.196 x 10^{-3}) N Oersted per milliampere of direct current in winding

L = (0.0961 x 10^{-8})K_1N^2 μ ac Henries

MAGNETIC PATH DIMENSION

ℓ = 6.40 cm

A = 0.49 cm^2

K_1 (STACKING FACTOR)

Thickness (mm)	Butt Jointed	Interleaved one per layer
0.1	0.90	0.80
0.2	0.90	0.85
0.35	0.95	0.90

MATERIAL GRADE	THICKNESS(mm)	WEIGHT AND NUMBERS	
		g/pcs	pcs/kg
PC (Ni80%Mo5%)	0.345t	E : 0.4568 grams I : 1.3703 grams	E : 2,189 pcs I : 730 pcs
PB (Ni45~48%)	0.345t	E : 0.4410 grams I : 1.3230 grams	E : 2,268 pcs I : 756 pcs

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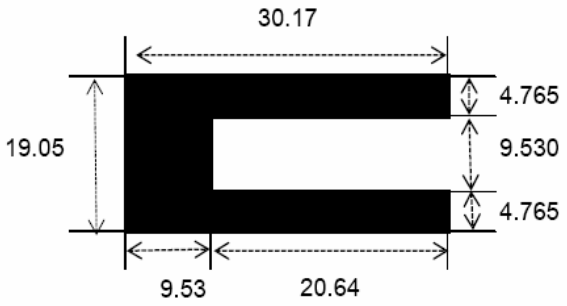

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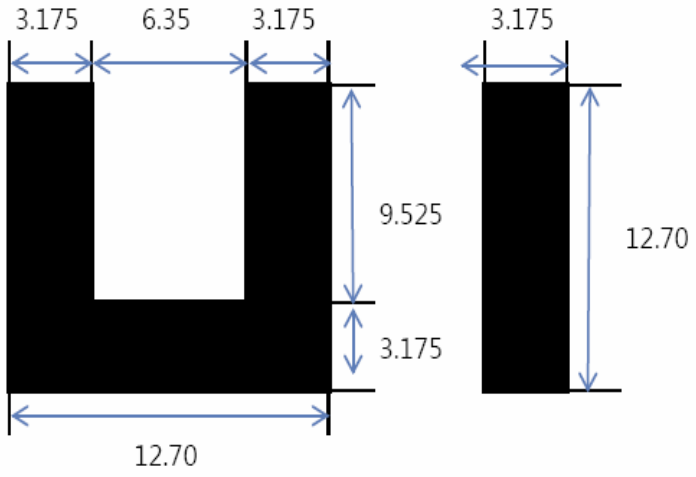

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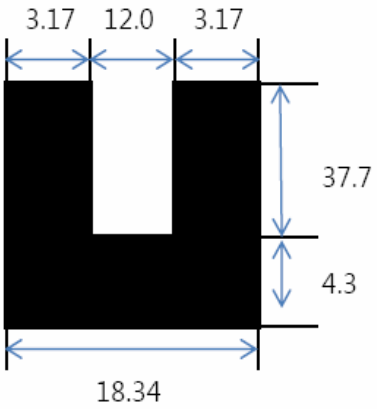

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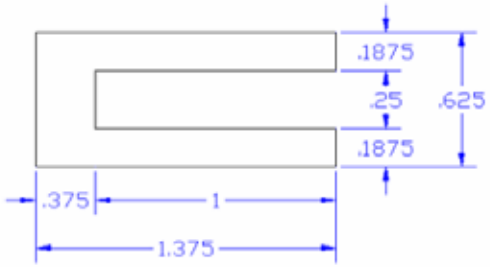

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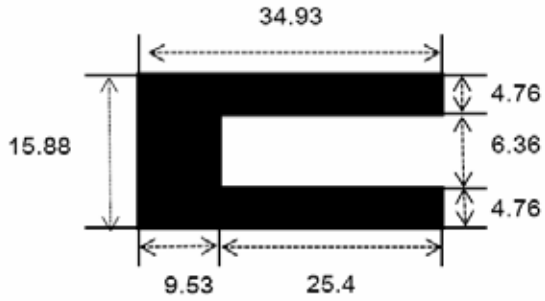

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PROPERTIES OF SQUARE STACK

VOLUME & WEIGHT

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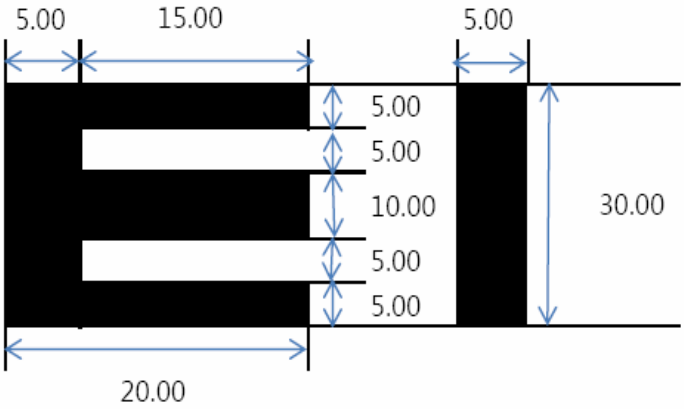
BLACK OXIDE CORES SEL-30EI



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PROPERTIES OF SQUARE STACK

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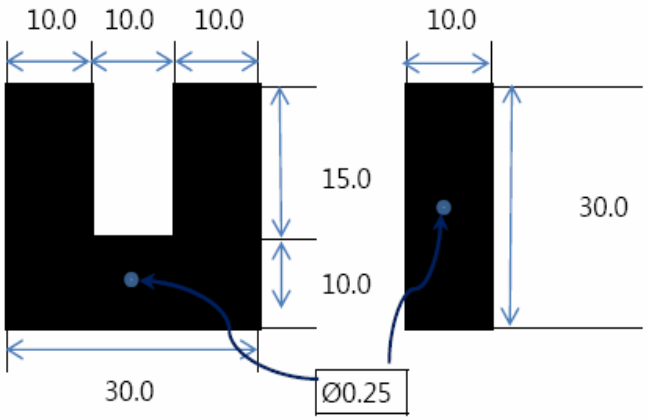

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