

Electromagnetic wave Absorber (IDCI series)

1. Introduction of IDCI Series

IDCI series preventing microwave noise problems is a very flexible and useful for many applications. IDCI absorber series helps suppress radiated noise from electrical devices for broadband high frequency range.

2. Features

- The frequency range : (0.5~8GHz), X(8~12.5GHz), Ka, K band
- Excellent absorbing performance at the wide frequency
- Flexible and easy to apply

3. Applications

- RAM materials
- For military (air force / a warship / radar interference)
- For anechoic chamber
- Medical appliances

4. Specifications

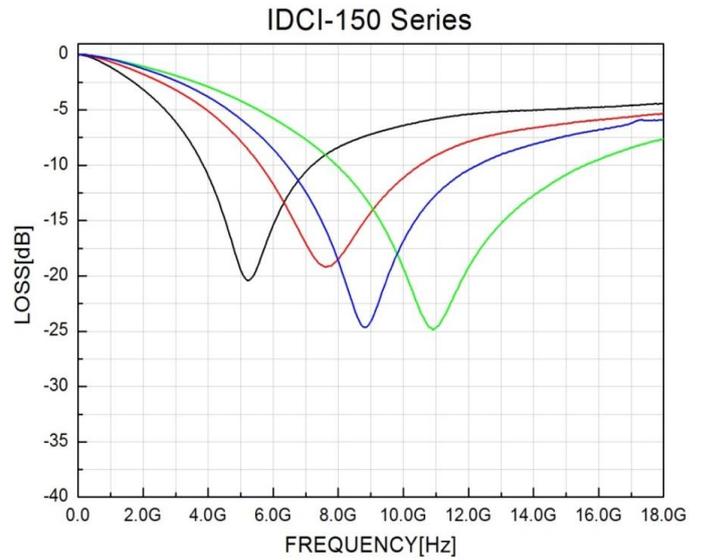
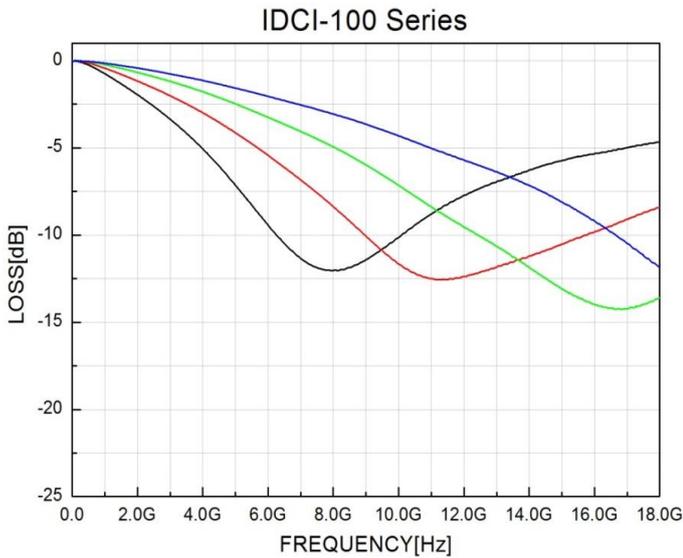
Features	Specifications							
Thickness(mm±10%)	0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00
Frequency Range(GHz)	1.0 ~ 20.0							
Hardness(Shore A)	70 ± 10 (*for standard type)							
Service Temp.(°C)	-30 ~ 150							
Standard Size(mm)	210mm x 300mm							
Flammability	Non Flammable							
Surface Resistance(Ω)	Min 1.0 × 10 ⁸							
Density(g/cm ³)	3.8 ± 0.5 (*for standard type)							

* For standard type : IDCI-100-10GHz

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5. Properties(Example)

➤ **Reflection Loss of the IDCI**



* **Customising for customer request**

6. How to order IDCI Series

P/N : $\frac{IDCI}{①}$ - $\frac{AAA}{②}$ - $\frac{BBB}{③}$ - $\frac{CCC}{④}$ - $\frac{DDD}{⑤}$ - $\frac{EEE}{⑥}$ - $\frac{FFF}{⑦}$

- ① **Serial Number**
- ② **Thickness(mm)** ▶ 050 means 0.50mm
- ③ **Frequency** : required to have working frequency ranges
- ④ **Width (mm)**
- ⑤ **Length (mm)**
- ⑥ **Tape type** ▶ A : 100um, A1 : 50um, A2 : 30um, A3 : 20um
- ⑦ **Non** : Rectangular Type, S : Shape Type, D : Refer to Drawing

IF you need particular shape, please contact our Marketing Department for detailed specification.

7. Delivery

DooSung can supply your ordering quantity as standard products for stock sale, and special type (In case of smaller than standard size) are needed a few days after your order.