

LY-TAB5000

Thermal Absorber Interface Pad is a multifunctional material that takes into account both thermal conductivity and wave absorption ability, and the product can achieve low interface thermal impedance and high electromagnetic wave absorption performance under low pressure, and LY-TAB series product has good insulation withstand voltage characteristics and environmental stability.

LY-TAB5000 series absorber interface pad can be applied directly between the heat sink and the metal housing, effectively exporting thermal energy. At the same time, it has considerable electromagnetic shielding and electromagnetic clutter absorption performance, and provides a balanced solution for electronic products in thermal conductivity and electromagnetic compatibility problems.

Features and Benefits

- High thermal conductivity and low thermal resistance
- Good insulation withstand voltage characteristics
- Excellent electromagnetic wave attenuation ability and good surface compatibility
- Good resilience and good self-adhesiveness

Applications

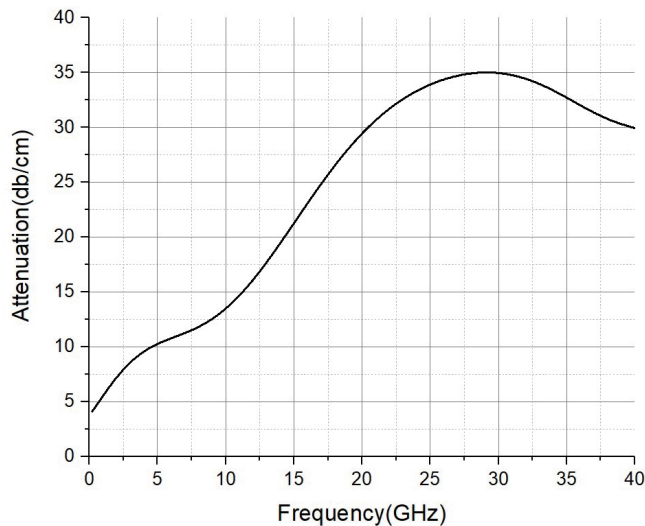
- Optical Module and Power amplifier
- PCB、IC、CPU、MOS、LED
- Laptop computer, router, TV etc.
- Storage devices, Power devices
- Radar system

Characteristics

PROPERTIES	LY-TAB5000	TEST METHOD
Color	Gray	/
Thickness, mm	0.5~5.0(±10%)	ASTM D 374
Volume Resistance, ohm-cm	$> 10^{13}$	ASTM D257
Density, g/cc	3.9 ± 0.2	ASTM D792
Hardness, shore 00	70±5	ASTM D2240
Breakdown Voltage,kV/mm	> 0.3	ASTM D149
Attenuation, dB/cm	>10 @8GHz	SJ 20512-1995
	>20 @18GHz	
	>30 @25GHz	
Thermal Conductivity,W/m-k	5.3/5.1	ASTM D5470/Hotdisk
Standard Size,mm	200*200	/
Service Temperature, °C	-45 to +150	/
Flame Retardant Rating	V-0	UL94

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Attenuation



Use Tips

- LY-TAB5000 series Thermal Absorber Interface Pads are similar to thermally conductive gap filling materials, it is soft and has good self-adhesive and resilience, and is used in the same way as thermal gap pads.
- It needs to be used snugly against the surface to achieve the thermal conductivity and absorption performance of LY-TAB5000 series product design.
- This product is thermally conductive materials and absorbing materials as well, because to ensure wave absorption performance, the material contains some conductive components, so it has an impact on the overall pressure resistance of the material. LYE can provide customers with high withstand voltage versions with vertical breakdown strength of more than 3 Kv/mm.

Storage

Temperature :25 °C and 50% Relative Humidity

Shelf Life

12 months from manufacture date with original package

Regulation

RoHS & HF Compliant

Disclaimers

Many factors beyond Longyoung's control and uniquely within user's knowledge and control can affect the use and performance of a longyoung product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application.

