

Features and Benefits

- Superior thermal performance
- 4.5 W/m-K thermal conductivity
- Good EMI suppression
- RoHS compliant
- Halogen-free



Typical Applications

- Notebook Computers
- Handheld Portable Electronics
- Micro Heat Pipe assemblies
- Micro Processors, Memory Chips and Graphic Processors
- Motor Control
- Wireless Communication Hardware

Optional Configurations

- Can be die-cut into specific dimensions

OP-7500 Spec01 offers hybrid absorber/thermal management material that is used for EMI mitigation. Designed using silicone gel binder that imparts inherent tack typical of standard thermal gap fillers. Filler particle composition imparts both excellent thermal conductivity and good EMI suppression in the microwave frequency.

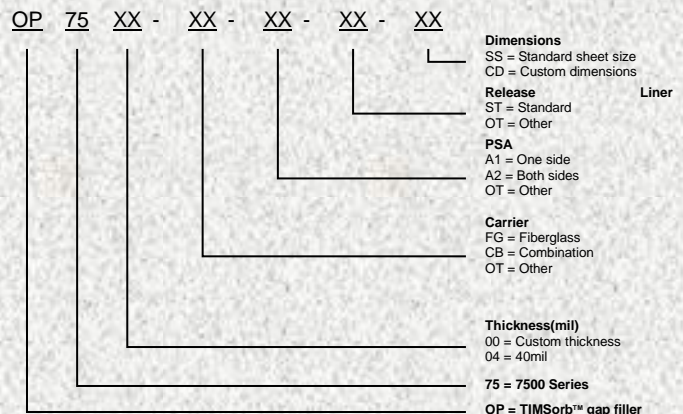
The proprietary formulation of OP-7500 Spec01 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties	OP-7500 Spec01	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Dark grey	Visual
Thickness Range /inch (mm)	0.02"~0.12" (0.508~3.048) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm ⁻³	3.7	ASTM D792
Hardness /Shore 00	55	ASTM D2240
Tensile Strength /psi	30	ASTM D638
UL Flammability Rating	UL94 V0	UL
Temperature Range /°C	-40°C ~175°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	4.5	ASTM D5470 (modified)
Volume Resistivity /ohm.cm	2.9 x 10 ¹⁰	ASTM D257
EMI Attenuation @ 10 GHz	35 dB/cm	—
Shelf Life /Months	12	—

Please contact us for other requirements

Carrier Treatment	Criteria
Fiber Glass (FG)	Not Recommended
Rubberized Cloth (RC)	Not Recommended
Pressure Sensitive Adhesive (PSA)	Not Recommended
Detachable Adhesive (DA)	Not Recommended
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Not Recommended

Product Code and Descriptions



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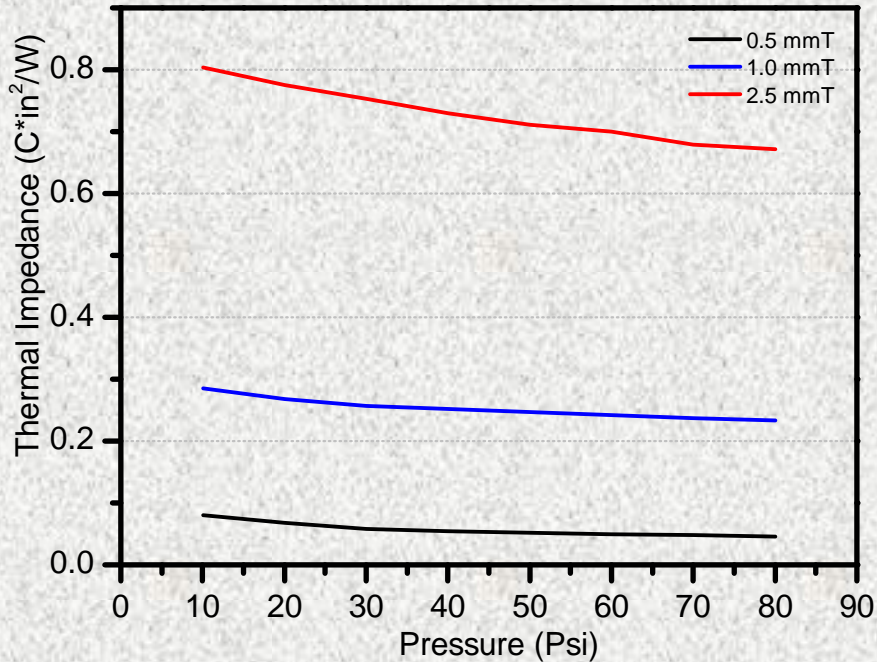
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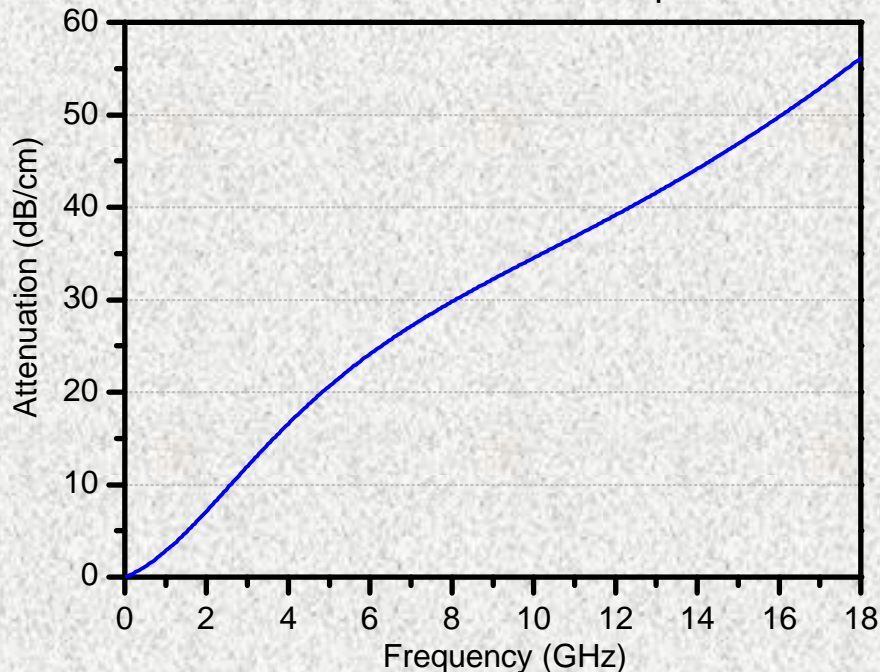
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Thermal Impedance of OP-7500 Spec 01



Attenuation of OP-7500 Spec01



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