

Microwave Absorber Material UL94 VO Rated

DESCRIPTION

CHO-MUTE™ 9005 elastomer microwave absorber is designed to offer wide band attenuation within operating frequencies of 500MHz to 18GHz. CHO-MUTE 9005 incorporates a high tech silicone polymer system that offers the benefit of wide band absorption and high permeability in a lightweight and flexible product form. CHO-MUTE 9005 is an efficient cavity and surface current absorber.

BENEFITS

- Microwave absorption material covering a wide range of frequency.
 - CHO-MUTE 9005 "500MHz to 18GHz"
- High performance RF absorption - Up to 25 dB
- Available in several thicknesses:
 - 0.010" (0.25mm) through 0.125" (3.2mm)
- Flexible
- UL94 VO Flame Rated (0.25mm through 3.2mm)
- RoHS Compliant
- Global product availability

MICROWAVE ABSORPTION

CHO-MUTE 9005 exhibits high permeability and magnetic loss tangents. CHO-MUTE 9005 is an excellent cavity resonant absorber and provides broadband free space absorption from 500MHz to 18GHz.

APPLICATIONS

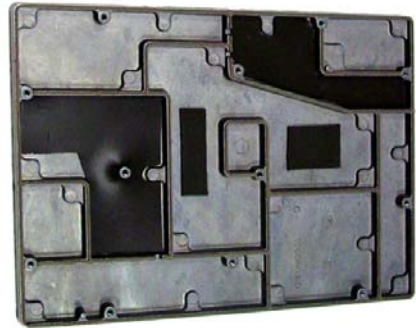
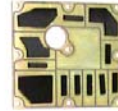
CHO-MUTE 9005 is effective in many applications to eliminate EMI/EMC problems in, transmitters, transceivers, microcontrollers, microprocessors etc.

Potential applications include:

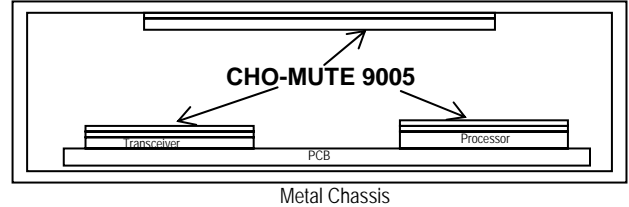
- Hand held electronics, wireless voice or data telecommunication, infotainment, testing equipment, PDAs
- Military electronics, C³I, navigation, GPS, ruggedized computers, night vision
- Antenna performance, surface current reduction
- Office and telecommunication infrastructure equipment, computing, switch gear, power amplifiers, routers

AVAILABILITY

CHO-MUTE 9005 material is available globally in sheets, die cut or molded parts. Sheets are available with or with out PSA and thickness ranging from 0.01" (0.25mm) to 0.125" (3.0mm).



Typical Application

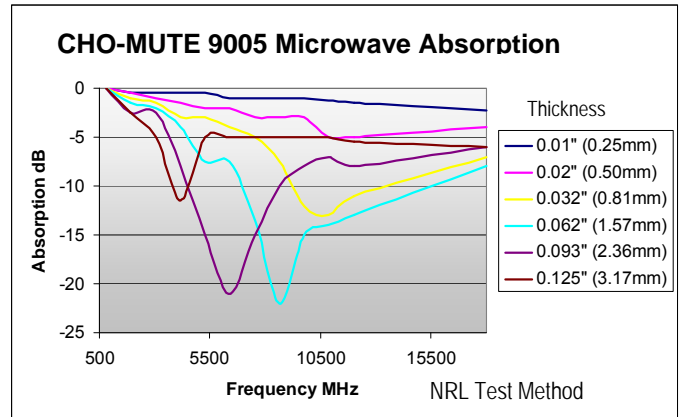


Standard Sheet Stock Part Number

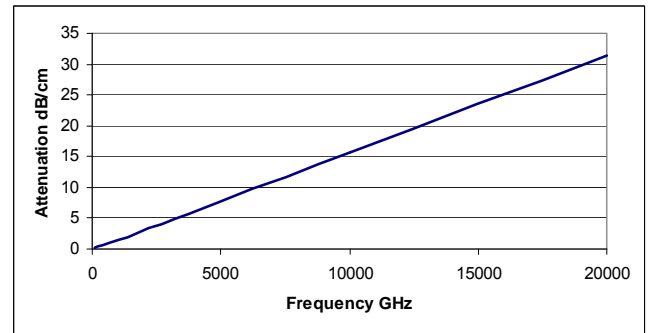
46-**TA**-1020-9005

T hickness, inch (mm)	A dhesive (PSA)
1. 0.020 (0.51)	0. No Adhesive
2. 0.032 (0.81)	1. Adhesive Backing
3. 0.062 (1.57)	
4. 0.093 (2.36)	
5. 0.125 (3.18)	
7. 0.010 (0.25)	

Custom shapes available. Contact Parker Chomerics for quote
 Standard sheet dimension is 10" (25.4cm) x 20" (50.8cm)



TYPICAL PROPERTIES		
Property	Units	
COMPOSITION		
Ferrous filled silicone		
ELECTRICAL		
Surface Resistance Initial	Ω/square	>1M
Bulk Volume Resistivity Initial	Ω•cm	>1M
Permeability		1.76
Magnetic Loss Tangent		0.602
Permittivity		13.8
Dielectric Loss Tangent		0.15
MECHANICAL		
Operating Temperature Range		-50°C to 160°C
Tensile Strength	PSI (MPa)	500 (3.44)
Elongation	(% min)	200
Hardness "Shore A"	Shore A	55
Tear Strength	Lb/in (N/m)	60 (10.5k)
THERMAL		
Thermal Conductivity	W/m-K	0.56
PHYSICAL		
Specific Gravity		3.4



⚠ WARNING – USER RESPONSIBILITY

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