

TECHNICAL DATA SHEET
Wave~X EMI Suppression and Absorption Material
ARC-WT-PCB

Description: Lightweight, absorber suitable for injection molding applications. It is a thermoplastic loaded with a carbon black filler allowing for significant cost and weight savings over traditional metal housings.

PCB Specifications

	English Units	SI Units
Melting Temperature:	330 °F	165 °C
Service Temperature:	< 250 °F	< 120 °C
Tensile Strength:	5 ksi	34.5 Mpa
Elongation :	8%	8 %
Tensile Modulus:	61 ksi	0.42 Gpa
Thermal Expansion:	48 µm/m* °F	87 µm/m* °C
Notched Izod Impact Resistance:	0.3	0.3

RoHS Compliant

Color: Black

Specific Gravity: Between 0.9 and 1.0

Dielectric Properties:

Frequency (GHz)	Low-Impedence Formula				High-Impedence Formula			
	e'	e"	u'	u"	e'	e"	u'	u"
2	22.90	17.01	1.01	0.00	78.24	37.72	0.90	0.10
4	14.65	13.22	1.01	0.01	56.44	39.93	0.95	0.05
8	10.16	9.16	0.96	0.00	38.95	33.10	0.91	0.04
12	8.72	7.09	0.98	-0.06	31.09	30.53	0.91	0.02
16	7.44	5.86	1.00	0.01	22.97	25.94	0.91	0.08

The technical information contained herein is consistent with the properties of this material but should not be used in the preparation of specifications as it is intended for reference only.



Solutions for Interference Control

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