

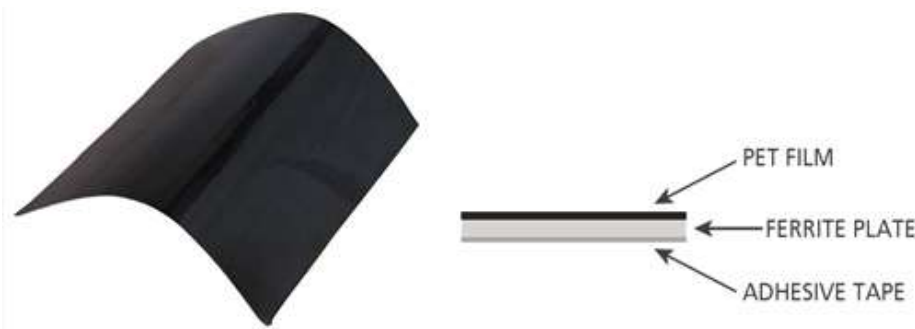


38M1020AA1212



Part Number: 38M1020AA1212

Material Grade	M1
Sheet Size	120 x 120 mm
Ferrite Thickness	0.2 mm
Total Thickness	0.23 mm



	Typical Shielding Effectiveness (dB): Test Method as noted → **, ***					
PARTNUMBER	Material	1MHz**	6.78MHz**	13.56MHz**	100MHz***	300MHz***
38M1020AA1212	M1	3.6	3.6	3.6	4	3.3

** Shielding Effectiveness (SE) at 1 -50MHz : measured using IEC 6233-2 Rde Inter Decoupling Ratio method (loop to loop distance= 6mm).

This method is meaningful as a measure of decoupling effectiveness circuit to circuit or to metal surfaces (plane to plane).

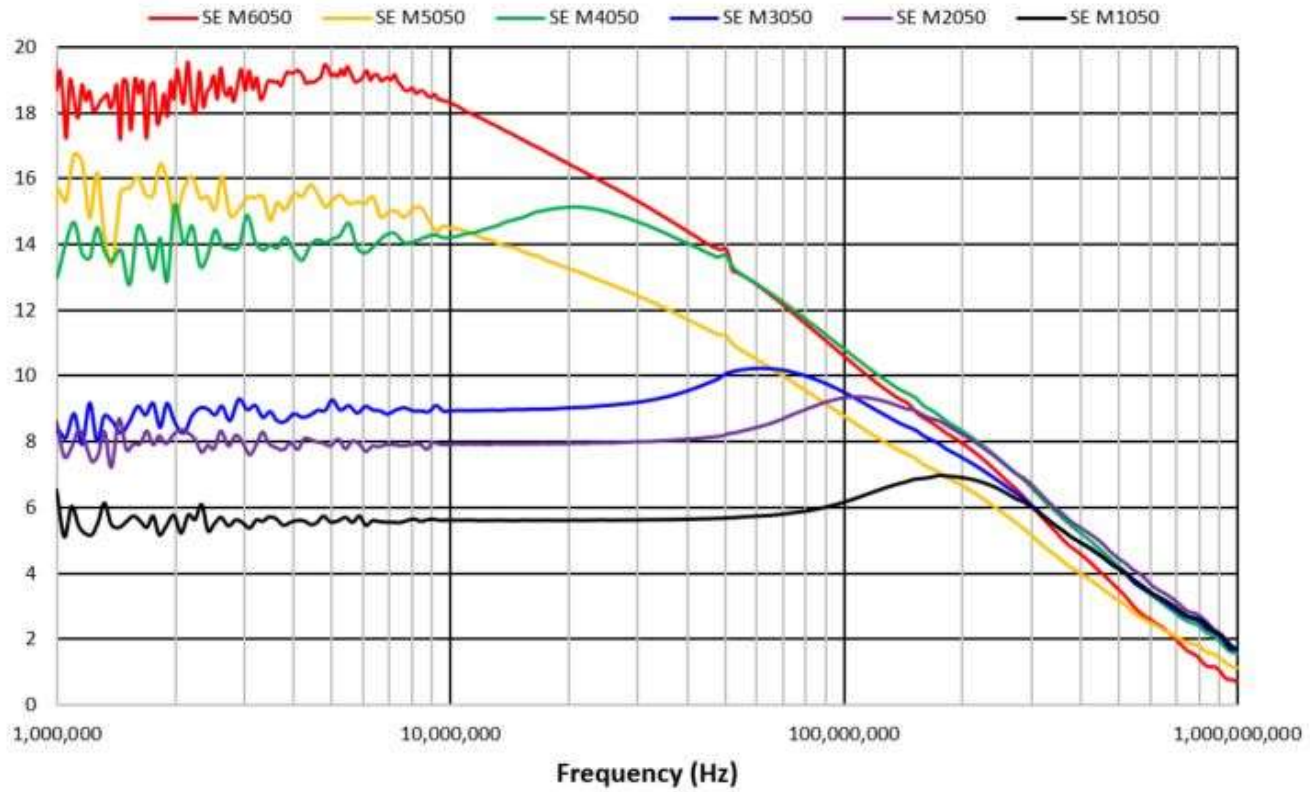
*** Shielding Effectiveness (SE) at 100MHz+ : measured using IEC 6233-2 Rrs Radiation Suppression Ratio method (50-ohm Microstripline).

This method is meaningful as a measure of shielding for radiated emissions of “antennas”.

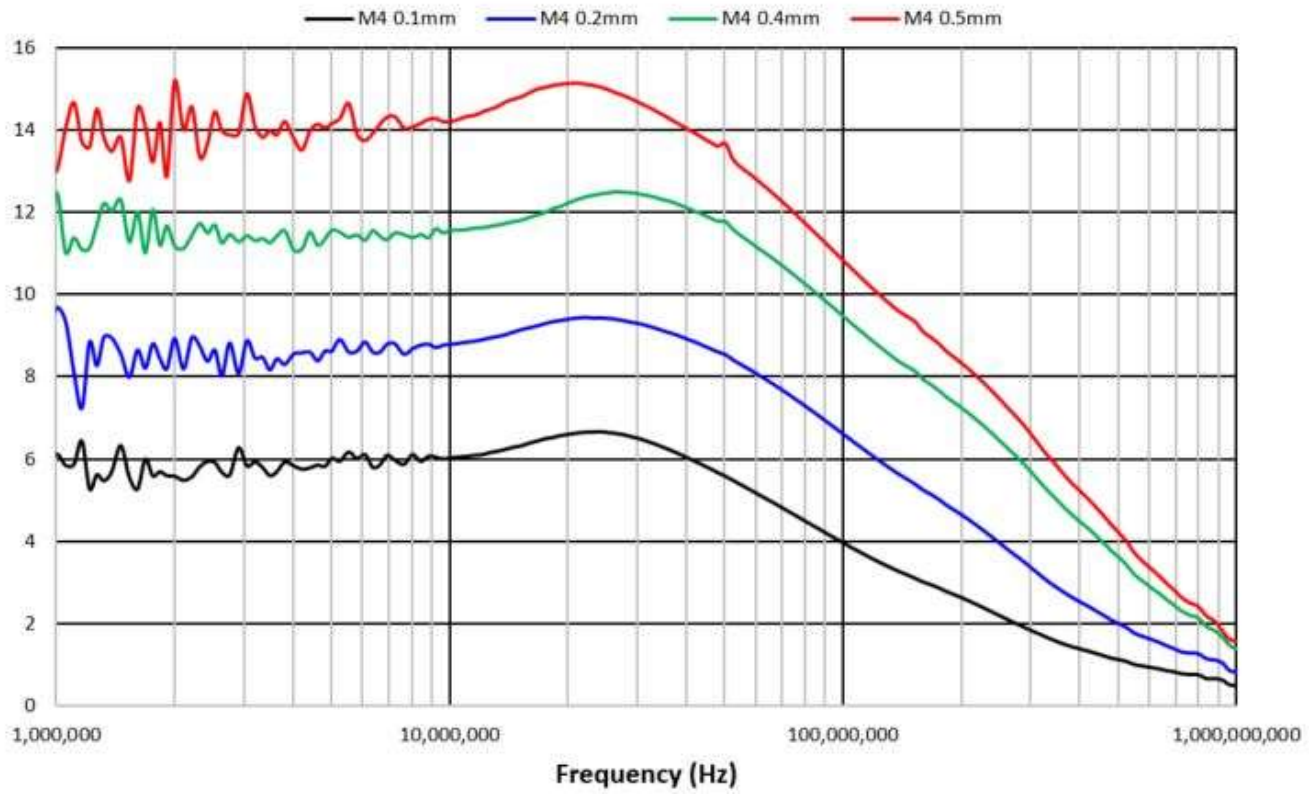
Equipment Used:

- E5072A Vector Network Analyzer (30kHz – 8.5 GHz)
- HP4291A RF Impedance/Material Analyzer (1MHz-3GHz)
- E4991A with 16453A Dielectric Test Fixture
- HP4284A for Temperature testing
- 25mm diameter slotted loop antennas
- 50-ohm Micro-Stripline Test Fixture

dB IEC 62333-2 (Rrs at 10mm) Comparison of Flex Materials: 60x60x0.5 mm size



IEC 62333-2 (Rrs at 10mm) Comparison of Thickness : M4 material



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