

Part Number: 38M4020AA1212

Material Grade	M4
Sheet Size	120 x 120 mm
Ferrite Thickness	0.2 mm
Total Thickness	0.23 mm



Weight: (g)

Chart Legend

Dim	mm	mm tol	nominal inch	inch misc.
A				

		Typical Shielding Effectiveness (dB): Test Method as noted -> **, ***				
PARTNUMBER	Material	1MHz**	6.78MHz**	13.56MHz**	100MHz***	300MHz***
38M4020AA1212	M4	9.5	8.6	9	6.6	3.1

** 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)

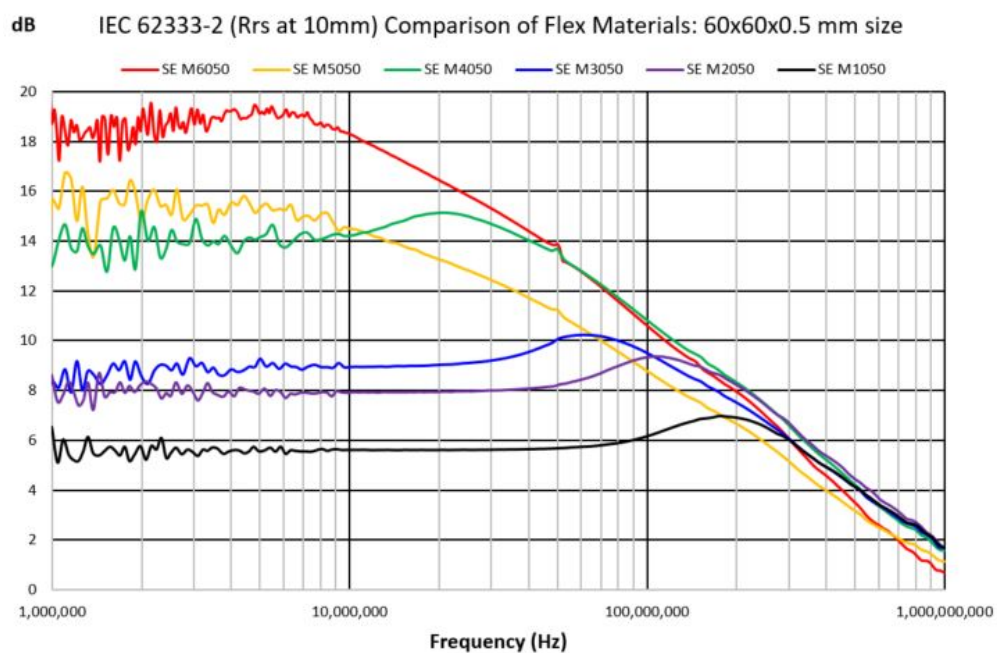
HP4291A RF Impedance/Material Analyzer (1MHz-3GHz)

E4991A with 16453A Dielectric Test Fixture

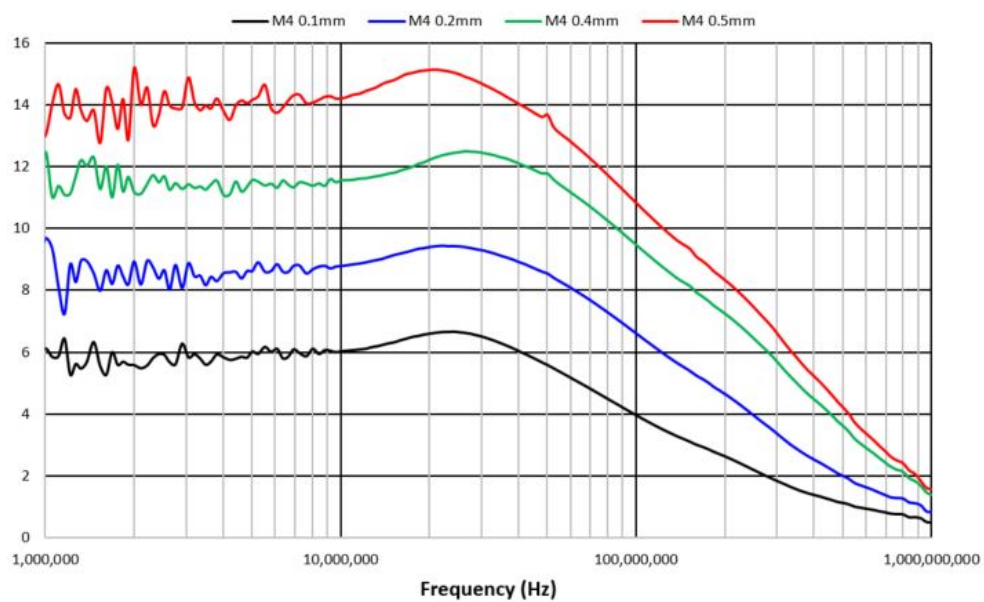
HP4284A for Temperature testing

25mm diameter slotted loop antennas

50-ohm Micro-Stripline Test Fixture



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



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