



Fair-Rite Products Corp.

Your Signal Solution®



38M5010AA1212(000000000000)



Part Number: 38M5010AA1212

Material Grade	M5
Sheet Size	120 x 120 mm
Ferrite Thickness	0.1 mm
Total Thickness	0.13 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***
38M5010AA1212	M5	10	9.2	8	3.6	1.5

\*\* 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)

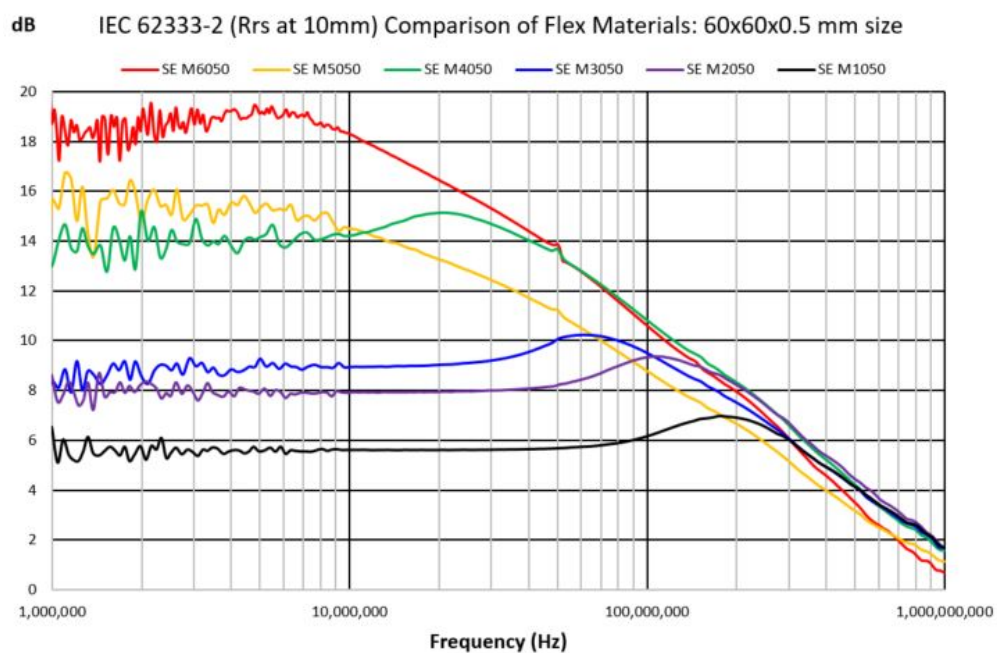
HP4291A RF Impedance/Material Analyzer (1MHz-3GHz)

E4991A with 16453A Dielectric Test Fixture

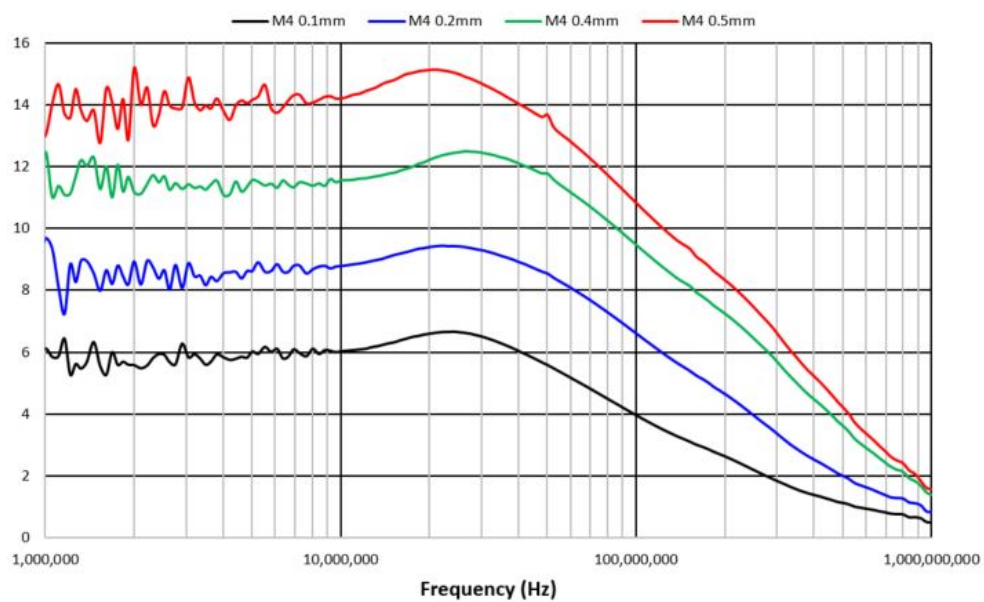
HP4284A for Temperature testing

25mm diameter slotted loop antennas

50-ohm Micro-Stripline Test Fixture



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



Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288

888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • [ferrites@fair-rite.com](mailto:ferrites@fair-rite.com) • [www.fair-rite.com](http://www.fair-rite.com)