

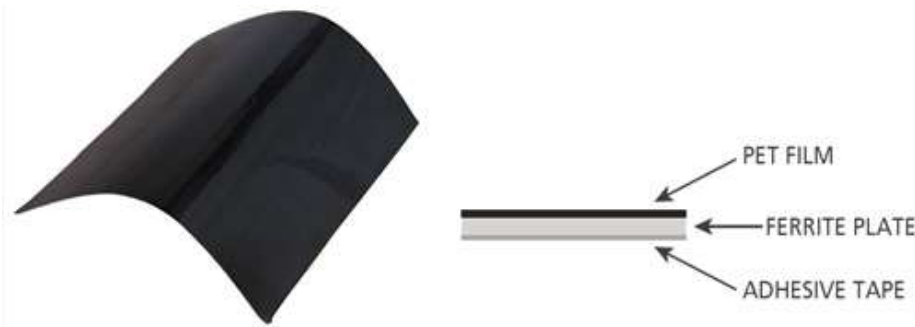


# 38M5010AA1212



Part Number: 38M5010AA1212

Material Grade	M5
Sheet Size	120 x 120 mm
Ferrite Thickness	0.1 mm
Total Thickness	0.13 mm



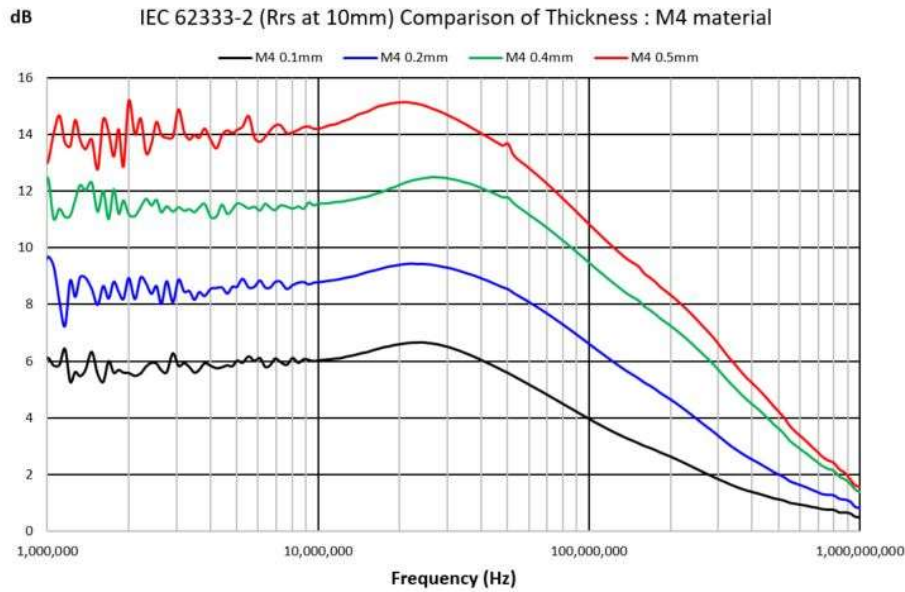
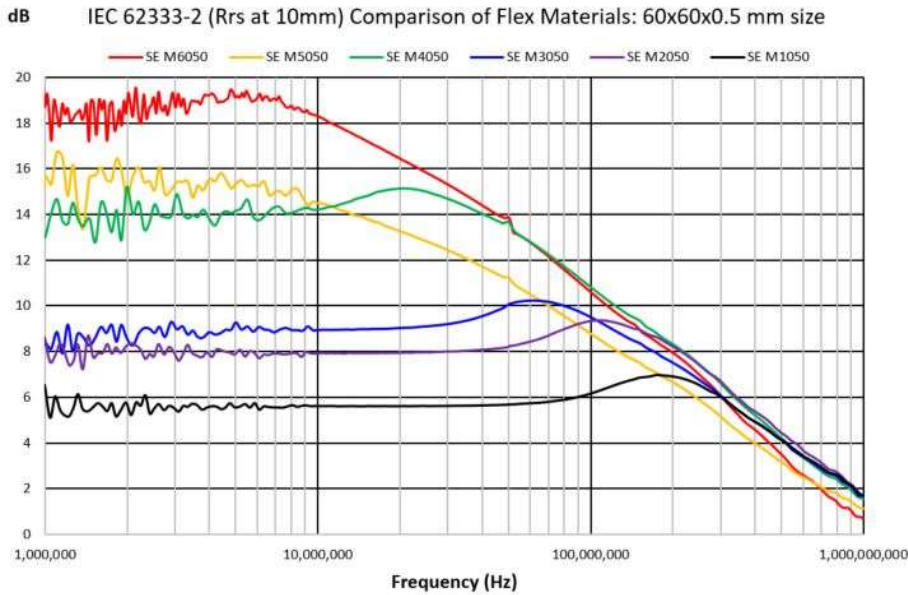
	Typical Shielding Effectiveness (dB): Test Method as noted → **, ***					
PARTNUMBER	Material	1MHz**	6.78MHz**	13.56MHz**	100MHz***	300MHz***
38M5010AA1212	M5	10	9.2	8	3.6	1.5

\*\* 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



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