

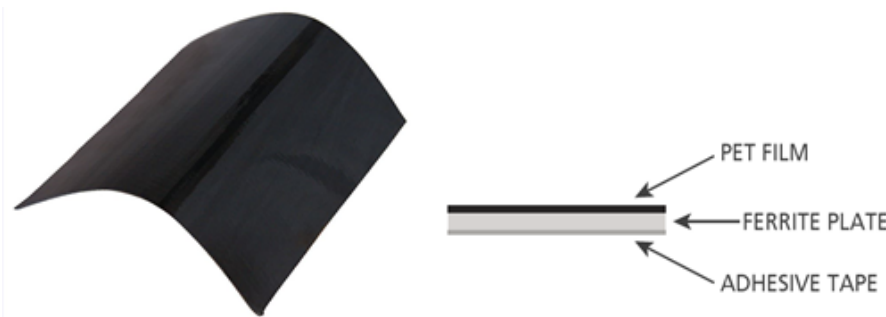


38M3020AA1212(0000000000)



Part Number: 38M3020AA1212

| | |
|-------------------|--------------|
| Material Grade | M3 |
| 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*** |
| 38M3010AA1212 | M3 | 5 | 5 | 5 | 5.6 | 3.1 |

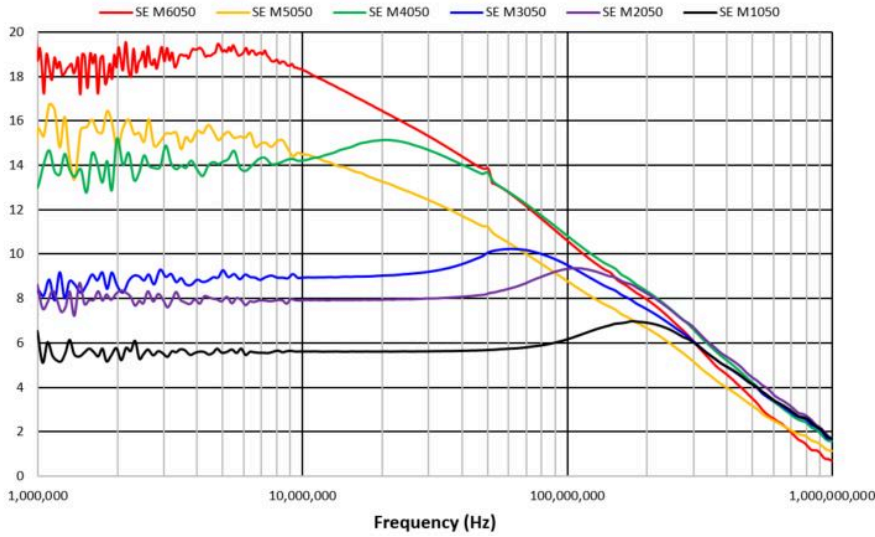
** Shielding Effectiveness (SE) at 1 -50MHz : measured using IEC 6233-2 Rde Inter Decoupling Ratio method (loop to loop distance= 6mm).
 This method is meaningful as a measure of decoupling effectiveness circuit to circuit or to metal surfaces (plane to plane).
 *** Shielding Effectiveness (SE) at 100MHz+ : 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”.

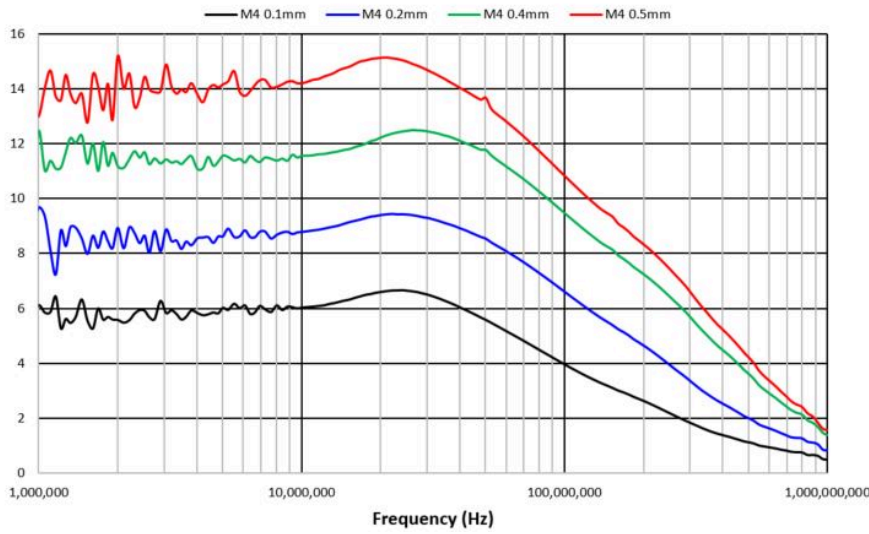
Equipment Used:

- 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 Flex Materials: 60x60x0.5 mm size



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 • www.fair-rite.com