

FAM MALE/FEMALE ATTENUATORS

THE MARATHON FAM series of attenuators provide specified levels of signal attenuation throughout their operating frequency range. The FAM series attenuates up to 1000 MHz (1 GHz).



FEATURES & BENEFITS

- FAM series available in 1, 2, 3, 6, 8, 10, 12, 16 and 20 dB values for any level of attenuation
- FAM series features bandwidth of 5 MHz to 1 GHz (1000 MHz) to handle your future channel expansion
- PCB grounded directly to the housing
- Precision machined SCTE compliant "F" ports
- Laminated product label, with attenuator dB value boldly shown, will not fade
- Brass body construction with nickel plating
- Packaged conveniently in 10 per bag and 100 per box

SPECIFICATIONS



| Parameter | Frequency (MHz) | FAM-01 1 dB | | FAM-02 2 dB | | FAM-03 3 dB | | FAM-06 6 dB | | FAM-08 8 dB | | FAM-10 10 dB | | FAM-12 12 dB | | FAM-16 16 dB | | FAM-20 20 dB | |
|--|-----------------|----------------|-----|----------------|-----|----------------|-----|----------------|-----|----------------|-----|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
| | | Typ | QA | Typ | QA | Typ | QA | Typ | QA | Typ | QA | Typ | QA | Typ | QA | Typ | QA | Typ | QA |
| Insertion Loss (Input/Output) Maximum (dB) | 5 - 50 | 1.0 | 1.4 | 2.1 | 2.4 | 3.1 | 3.4 | 6.1 | 6.4 | 8.1 | 8.3 | 10.1 | 10.3 | 12.1 | 12.3 | 16.0 | 16.3 | 20.0 | 20.3 |
| | 50 - 300 | 1.1 | 1.5 | 2.1 | 2.5 | 3.1 | 3.5 | 6.1 | 6.4 | 8.1 | 8.3 | 10.1 | 10.3 | 12.2 | 12.3 | 16.1 | 16.3 | 20.1 | 20.3 |
| | 300 - 600 | 1.1 | 1.5 | 2.1 | 2.5 | 3.1 | 3.5 | 6.1 | 6.4 | 8.1 | 8.3 | 10.1 | 10.3 | 12.2 | 12.3 | 16.2 | 16.3 | 20.2 | 20.3 |
| | 600 - 900 | 1.2 | 1.5 | 2.1 | 2.5 | 3.2 | 3.5 | 6.1 | 6.5 | 8.2 | 8.4 | 10.2 | 10.4 | 12.2 | 12.4 | 16.2 | 16.4 | 20.2 | 20.4 |
| | 900 - 1000 | 1.2 | 1.5 | 2.2 | 2.5 | 3.3 | 3.5 | 6.2 | 6.5 | 8.3 | 8.4 | 10.2 | 10.4 | 12.3 | 12.4 | 16.2 | 16.4 | 20.2 | 20.4 |
| Return Loss (Input/Output) Minimum (dB) | 5 - 50 | 30 | 28 | 33 | 28 | 35 | 28 | 33 | 28 | 35 | 28 | 32 | 28 | 33 | 28 | 35 | 28 | 33 | 28 |
| | 50 - 300 | 26 | 24 | 28 | 24 | 28 | 24 | 29 | 25 | 28 | 25 | 27 | 25 | 27 | 25 | 28 | 25 | 27 | 25 |
| | 300 - 600 | 24 | 23 | 27 | 24 | 26 | 23 | 27 | 24 | 26 | 24 | 25 | 24 | 25 | 23 | 25 | 23 | 25 | 23 |
| | 600 - 900 | 24 | 22 | 25 | 23 | 24 | 22 | 25 | 23 | 26 | 23 | 25 | 23 | 25 | 23 | 24 | 22 | 24 | 22 |
| | 900 - 1000 | 22 | 18 | 20 | 18 | 20 | 18 | 21 | 18 | 21 | 18 | 20 | 18 | 20 | 18 | 20 | 18 | 20 | 18 |
| Impedance | 5 - 1000 | 75 Ohm | | | | | | | | | | | | | | | | | |
| RFI (dB) | 5 - 1000 | -120 | | | | | | | | | | | | | | | | | |