

SMB Series

Electrical:

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|---------------------------------|--|
| Impedance | 50 ohm |
| Frequency Range | 0 to 4.0 GHz |
| VSWR | RG-174, 188, 316: $1.25 + 0.04 \times f$ GHz max (straight) $1.3 + 0.04 \times f$ GHz max (right angle) RG-178, 196: $1.3 + 0.04 \times f$ GHz max (straight) $1.4 + 0.06 \times f$ GHz max (right angle) |
| Voltage Rating | * RG-174, 188, 316: 750 volts rms max * RG- 178, 196: 500 volts rms max |
| Dielectric withstanding Voltage | * RG-174, 188, 316: 750 volts rms max * RG-178, 196: 500 volts rms max |
| Contact Resistance | Center contact: 6.0 milliohms max. Outer contact: 1.0 milliohms max. |
| RF Leakage | - 55 dB min @ 3 GHz |
| Insertion Loss | .4 dB max (straight) .6 dB max (right angle) |
| Insulator resistance | 1,000 Megohms min |

Mechanical & Environmental

| | |
|------------------------|--|
| Mating | Snap-on coupling |
| Durability | 500 matings |
| Coupling Nut Retention | 40 lbs min |
| Cable Retention | RG-174, 188, 316: 20 lbs min RG-178, 196: 6 lbs min |
| Temperature Range | - 65° C to 165°C |
| Vibration | MIL-STD-202 Method 204 test Cond.D. |
| Salt Spray | MIL-STD-202 Method 101 test Cond.B. |
| Temperature Cycling | MIL-STD-1344 Method 1003 test Cond.C. |

Material:

| | Material | Plating |
|----------------|---|----------------|
| Connector Body | Brass | Gold or Nickel |
| Center Contact | Male: Brass Female: Beryllium-Copper | Gold Gold |
| Insulation | Teflon | None |
| Gasket | Silicone | None |
| Crimp Ferrule | Annealed Copper | Same as Body |