



CROWN ELECTRONICS



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SMA Coaxial Connectors

Electrical Specifications:

Impedance	-	50 ohm nominal
Frequency Range	-	.141 or .085 Semi-Rigid cable: 0 - 18 GHz Flexible Cable: 0 - 12.4 GHz
Voltage Rating	-	RG-58, 141, 142, 223: 500 volts peak RG-174, 188, 316: 375 volts peak
Dielectric Withstanding Voltage	-	.141 and RG-58: 1,000 volts RMS .085 and RG-316: 750 volts RMS
Contact Resistance	-	Center contact: 2.0 milliohm Body: 2.0 milliohm Braid to Body: 0.5 milliohm
Insulation Resistance	-	5,000 Megohms
RF Leakage	-	-90 db minimum at 2-3 GHz

Material Specifications:

Body Metal Parts	-	Gold (or Nickel) / Brass
Male Contact	-	Gold / Brass
Female Contact	-	Gold / Beryllium Copper
Insulation	-	PTFE
Gasket	-	Silicone Rubber
Crimp Ferrule	-	Copper Alloy

**Please note that the above materials apply to most but not all SMA connectors; for specific details on each connector please consult the relevant spec. sheet.