SMPM

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS

ELECTRICAL CHARACTERISTICS

Impedance	50Ω
Frequency Range	DC - 65 GHz
V.S.W.R. **• Straight Styles** **• Right Angle Styles** **• Adapters** **• Hermetic Receptacles**	1.10 to 12GHz / 1.15 to 26GHz / 1.30 to 40GHz 1.25 to 12GHz /1.30 to 18GHz 1.10 to 12GHz / 1.20 to 40GHz / 1.30 to 65GHz 1.15 to 18GHz / 1.35 to 40GHz
Insertion Loss (dB)	0.10 × √F Max typ
Insulation Resistance (MΩ)	5000
Voltage Rating (V.R.M.S.)	335
Dielectric Withstanding Voltage (V.R.M.S.)	500
RF Leakage (dB)	-80 to 3GHz / -65 from 3 to 40GHz

MECHANICAL CHARACTERISTICS

	Smooth Bore	Full Detent
Mechanical Endurance (Durability)	500	100
Engagement Force (N)	18 max - 11 typ.	36 max - 20 typ.
Separation Force (N)	7 min - 9 typ.	20 min - 30 typ.
Radial Misalignment **Axial Misalignment**	± 0.25 mm (.010'') 0 / + 0.25 mm (.010'')	
Vibration	MIL-STD 202G Method 104, test condition D	
Shock	MIL-STD 202G Method 213, test condition I	
Thermal shock	-65° C / +125° C	
Cable Retention (N) **• .47"** **• .85"**	> 45 N > 200 N	
Contact Captivation Axial (N)	6.7	

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	-65°C / +165°C

MATERIALS

Cable Connector with Female Center Contact	Beryllium Copper
Cable Connector with Male Center Contact **• Bodies** **• Soldering part**	Stainless Steel, Beryllium Copper Brass
Receptacles, Shrouds	Stainless Steel & Beryllium Copper
In Series Adapters	Beryllium Copper
Center Contacts	Beryllium Copper
Center Contacts for Glass Seal	Iron Nickel Cobalt Sealing Alloy
Insulators	Peek / PTFE

PLATING

Cable Connector with Female Center Contact	Gold
Cable Connector with Male Center Contact **• Bodies** **• Soldering part**	Passivated Gold
Receptacles, Shrouds	Passivated
Center Contacts	Gold