

TECHNICAL DATA

Materials		Type M	Coaxial contacts	High power contacts	High voltage contacts
Insulator		PBT GF UL94V-0	PTFE/PBT/PI		PTFE
Contact plating		gold over nickel			
Contact material		copper alloy			
Retaining clip			copper alloy		
Current rating (DC)		2 A	2 A	10 to 40 A	2 A
Test voltage		1000 V, 50 Hz			
Resistance between mated contacts		≤ 2.7 mΩ			
Insulation resistance			10 ⁷ MΩ		≥2x10 ⁷ MΩ
Volume resistivity		10 ¹⁶ Ωcm			
Dielectric strength		50 KV/ mm			
Characteristic impedance			50/75 Ω		
Contact resistance	inner conductor		≤ 2.7 mΩ		≤ 2.7 mΩ
	outer conductor	≤ 2.7 mΩ	≤ 2.7 mΩ	≤ 1 mΩ	
VSWR-value according to MIL-C-39012	1.2 GHz		≤ 1.2		
	1.5 GHz		≤ 1.3		
	2.0 GHz		≤ 1.5		
Dielectric voltage			750 V 50 Hz		3.8 kV
Frequency range			0 to 2 GHz		
Working voltage		250 V	250 V		max. 2.8 kV
Temperature range		-55°C to +125°C	-55°C to +135°C	-55°C to +155°C	-55°C to +125°C
Mating force per signal contact		≤ 3.4 N	≤ 7 N	≤ 7 N	≤ 5 N
Withdrawal force per signal contact		≥ 0.2 N	≤ 7 N	ca. 5 N	ca. 2.5 N
Mating cycles		depending on plating			

Technical alterations are subjects to change without notice.