

Mechanical & Environmental Data

Parameter	Typical values	Norm
Mating cycles	5000	
Temperature range - 1051 A004-3 - 1051 A004-4 - 1051 A004-9	-55°C to + 135°C -55°C to + 135°C -40°C to + 85°C	
Vibration	10 to 2000 Hz, 1.5 mm or 20 g, no discontinuity > 1 µs	EIA-364-28, Test cond. IV (MIL-STD-1344, Method 2005 superseded)
Protection level SE, KE, DKE	IP68 (2m/24h) when mated or with fitted sealing caps	IEC 60529
Corrosion, salt spray	96 h with 5% salt solution at 35°C	IEC 60068-2-11, Test Ka MIL-STD-202, Method 101, cond. A

Material & Surface Treatments

Part	Materials	Finish
Housings - 1051 A004-3 - 1051 A004-4 - 1051 A004-9	Brass Brass Brass, Steel, PA	Chrome over Nickel Chrome over Nickel Nickel
Housing accessories	Brass	Nickel
Inner contact	Bronze	Gold over Nickel
Crimp contact	Brass	Gold over Nickel
Outer contact	Brass	Gold over Nickel
Ground contact	Brass	Nickel
Insulators - 1051 A004-3 - 1051 A004-4 - 1051 A004-9	PTFE, PCTFE, PP-H PTFE, PCTFE, PP-H POM, PP-H, PEI	- - -
Washers	PEEK, PET	-
O-ring seals	NBR, NBR Low Temp	-
Cable seal and protections	TPE	-

Our products are RoHS compliant

Electrical Data

Parameter	Typical values	Norm
Nominal impedance	75 Ω	
Test voltage at sea level (mated) - Center to outer contact - Outer to ground contact	1.7 kVAC 1.0 kVAC	IEC 60512-4-1, Test 4a, Method c
Current rating per contact	14 A	IEC 60512-5-2, Test 5b
Contact resistance - Center contact - Outer contact - Ground contact	<3 mΩ <0.5 mΩ <5 mΩ	IEC 60512-2-1, Test 2a IEC 60512-2-2, Test 2b
Insulation resistance	> 10 ¹⁰ Ω	IEC 60512-3-1, Test 3a
VSWR (Voltage Standing Wave Ratio) - 0 to 250 MHz - 250 to 1300 MHz	< 1.05 < 1.2	