



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

MIL-STD-348

Mateable with GPPO™ (Gilbert Engineering Co., Inc.)
and SSMP™ (Connectors Devices, Inc.)

Documents

Assembly instruction

18 B3

Material and plating

Connector parts

Center contact
Outer contact
Press in cover
Dielectric

Material

CuBe
CuBe
Brass
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated
AuroDur®, gold plated

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 26 dB, DC to 6 GHz ≥ 20 dB, 6 to 12 GHz ≥ 12 dB, 12 to 18 GHz
Insertion loss	≤ 0.03 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Working voltage (at sea level)	325 V rmsk
(at 70000 feet)	125 V rms

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	
if mating part is smooth bore	≥ 500
if mating part is full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- smooth bore	11 N typical
- full detent	19 N typical
Disengagement force	
- smooth bore	11 N typical
- full detent	29 N typical

Environmental data

Temperature range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition A
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

UT 47, RTK-FS047, RTK 047

Weight

Weight 0.2 g/pce

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