



- 1) Panel piercing:  $\varnothing 4.8^{+0.05}$
- 2) Measured when retaining clip is fully pushed towards contact area.

All dimensions are in mm; tolerances acc. ISO 2768 m-H

**Interface**  
According to MIL-STD-348

**Documents**  
Assembly instruction 19 E4  
Panel piercing B 618

<b>Material and plating</b>		
<b>Connector parts</b>	<b>Material</b>	<b>Plating</b>
Center contact	Brass	AuroDur®, gold plated
Outer contact	Brass	AuroDur®, gold plated
Dielectric	PTFE	

**Electrical data**

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 30 dB, DC to 4 GHz ≥ 20 dB, 4 to 12 GHz ≥ 18 dB, 12 to 26.5 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 26.5 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation:	≥ 7 N
Engagement force	
- limited detent	45 N max.
Disengagement force	
- limited detent	9 N min.

**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 B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

**Tooling**

Extraction tool	11W101-000
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**Suitable cables**

RG 405 /U, UT 85-M17

**Weight**

Weight	1.04 g/pce
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While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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