



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

**Interface**

According to IEC 60169-4, VG 95250, EN 122190, DIN 47223

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Housing
- Dielectric
- Gasket

**Material**

- Spring bronze
- Brass
- Aluminium
- PTFE
- Silicone

**Plating**

- Silver, 3-6 µm
- Flash white bronze over silver(e.g. Optargen®)
- N/A

7/16 POWER SPLITTER  
3-WAY

**60PK13B-K00N1**

**Electrical data**

Impedance	50 Ω
Frequency	0.8 to 2.2 GHz
Power	max. 1000 W
Return loss	≥ 26 dB, 0.8 to 2.2 GHz
Insertion loss	≤ 0.05 dB
Insulation resistance	≥ 10 <sup>4</sup> MΩ
Center contact resistance	≤ 0.4 mΩ
Outer contact resistance	≤ 1.5 mΩ
Test voltage (at sea level)	4000 V rms, 50 Hz
Working voltage (at sea level)	2700 V rms, 50 Hz
RF-leakage	≥ 128 dB up to 1 GHz
Intermodulation (3 <sup>rd</sup> order)	≤ -110 dBm @ 2 x 20 W
Input/output	1 / 3
Connectors	Input 7/16 female; output 7/16 female

**Mechanical data**

Mating cycles	min. 500
Center contact captivation: axial	≥ 200 N
radial	≥ 30 Ncm
Coupling torque (recommended)	25 to 30 Nm
Proof torque	max. 35 Nm

**Environmental data**

Temperature range	-45°C to +85°C
Rapid change of temperature	DIN EN 122190, clause 4.6.7
Corrosion salt mist	DIN EN 122190, clause 4.6.10
Vibration	DIN EN 122190, clause 4.6.3
Damp heat	DIN EN 122190, clause 4.6.6
Climatic tests	DIN EN 122190, clause 4.6.5 (45/85/56)
Degree of protection (mated pair)	IEC 60529, IP68 2.5 bar
2002/95/EC (RoHS)	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	1 pce in box
Weight	1100.0 g/pce

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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