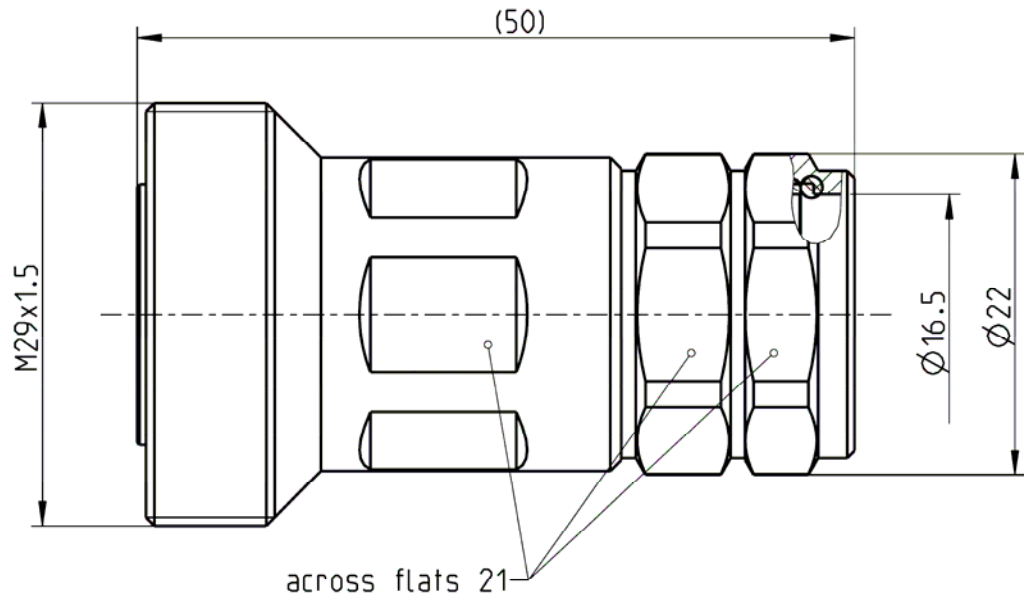


7/16 STRAIGHT JACK
(1/2"R)

60K117-C03N1



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

Assembly instruction 60 137

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Gasket

Material

- Spring bronze
- Brass
- Brass
- PTFE
- Silicone

Plating

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

7/16 STRAIGHT JACK
(1/2"R)

60K117-C03N1

Electrical data

Impedance 50 Ω
 Frequency DC to 8.3 GHz
 Return loss ≥ 35 dB, DC to 1 GHz
 ≥ 30 dB, 1 to 2.7 GHz
 Insertion loss ≤ 0.05 dB
 Insulation resistance ≥ 10⁴ 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
 Power handling (at 20 °C, sea level, VSWR 1.0) 1800 W @ 1 GHz
 800 W @ 4 GHz
 RF-leakage ≥ 128 dB up to 1 GHz
 Intermodulation (3rd order) ≤ -117 dBm @ 2 x 20 W
- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles min. 500
 Center contact captivation: axial ≥ 200 N
 radial ≥ 2 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 (unmated condition) IEC 60529, IP68 2.5 bar
 2002/95/EC (RoHS) compliant

Tooling

N/A

Suitable cables

SL 012 R PE or FRNC (recommended)
 Leoni 1/2 "R; Andrew LDF 4-50A
 RFS LCF 12-50

Packing

Standard 1 pce in bag
 Weight 86 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
A. König	09/07/08	A. König	11/09/08	100	08-V228	A_Wallner	28/07/08
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