



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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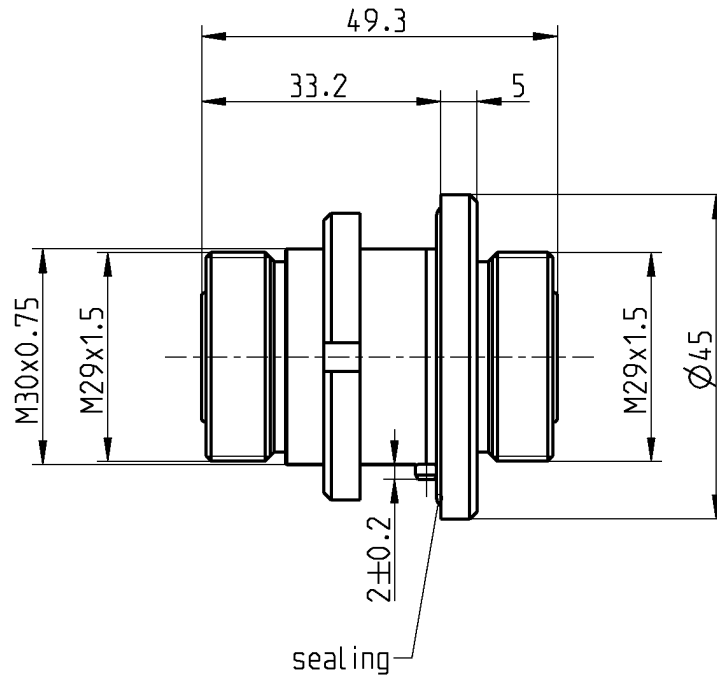
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adaptor
7/16 jack – jack

60K501-K50N1



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

Panel piercing B 84

Material and plating

Connector parts

| | Material | Plating |
|----------------|------------------|--|
| Center contact | Beryllium copper | Silver, 3-6 µm |
| Outer contact | Brass | Flash white bronze over silver(e.g. Optargen®) |
| Body | Brass | Flash white bronze over silver(e.g. Optargen®) |
| Dielectric | PP | |
| Gasket | Silicone | |

adaptor
7/16 jack – jack

60K501-K50N1

Electrical data

| | |
|--|--|
| Impedance | 50 Ω |
| Frequency | DC to 7.5 GHz |
| Return loss | ≥ 40 dB, DC to 2.5 GHz ≥ 38 dB, 2.5 to 6 GHz ≥ 28 dB, 6 to 8.3 GHz |
| Insertion loss | ≤ 0.05 dB |
| Insulation resistance | ≥ 10 ⁴ MΩ |
| Center contact resistance | ≤ 0.4 mΩ |
| Outer contact resistance | ≤ 1.5 mΩ |
| Working voltage (at sea level) | 500 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 (3 rd order) | ≤ -117 dBm @ 2 x 20 W |

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 (mated pair) | IEC 60529, IP68 |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

Weight 231.9 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 |
|--|----------|-------------|----------|------|--|-------------|---------------|
| Inge Mühlauer | 29/06/04 | J_Gramsamer | 07.04.15 | f00 | 15-0397 | J_Krautenb. | 07.04.15 |
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