



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

Interface

According to

Rosenberger B2B

Documents

Panel piercing – Landing Pad

B 444

Material and plating

Connector parts

- Center contact
- Outer contact
- Contact spring
- Body
- Dielectric

Material

- Brass
- Brass
- CuBe
- Brass
- PTFE

Plating

- AuroDur®, gold plated
- Silver, 3-6 µm
- Silver, 3-6 µm
- White bronze(e.g. Optalloy®)

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RF_35/05:10/6.0

EIC

Bulkhead connector
Straight terminal

B2BF601-001B5

Electrical data

Impedance 50 Ω
 Frequency DC to 10 GHz
 Return loss ≥ 25 dB @ DC to 3.5 GHz
 ≥ 23 dB @ 3.5 GHz to 7 GHz
 Insertion loss ≤ 0.05 x √f [GHz] dB
 Insulation resistance ≥ 5 GΩ
 Center contact resistance ≤ mΩ **TBD**
 Outer contact resistance ≤ mΩ **TBD**
 Test voltage (at sea level) 1000 V rms
 Working voltage (at sea level) 480 V rms
 Power handling (at 20 °C, sea level, VSWR 1.0) 130 W @ 2.7 GHz **TBD**
 Intermodulation (3rd order) ≥ 160 dBc (2 x 43 dBm) - **TBD**
 Screening Attenuation **TBD**

- Connector only, VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles ≥ 100
 Center contact captivation ≥ 7 N
 Contact force working range **TBD**
 Working range (axial misalignment) 1mm
 Radial misalignment ± 0.6 mm

Environmental data

Temperature range -65 °C to +165 °C
 Rapid change of temperature IEC 60068-2-14 (-65 °C to 165 °C, 1h dwell, 50 cycles)
 Vibration MIL-STD-202, Method 204, Condition B
 Shock MIL-STD-202, Method 213, Condition A
 Damp heat IEC 60068-2-78 (40°C, 93% RH, 56d)
 High temperature endurance IEC 61169-1, Sub-clause 9.6 (+165 °C, 1000 hours)
 Max. soldering temperature IEC 61760-1, +260 °C for 10 sec.
 RoHS compliant

Tooling

N/A

Packing

Standard 50 pcs in blister, B0050B
 Weight **TBD** g/pc

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
Weidensp. R.	11/09/12	B. Aicher	19/02/13	100	13-v107	A_Wallner	18.02.13
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