



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

**Interface**

According to Rosenberger P-SMP

**Documents**

Panel piercing B 120C  
Tape & reel packaging VG163-80000

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

Brass  
Brass  
PEEK

**Plating**

AuroDur®, gold plated  
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**Electrical data**

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB, DC to 4 GHz ≥ 25 dB, 4 to 6 GHz
Insertion loss	≤ 0.03 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage (at sea level)	1000 V rms
Working voltage (at sea level)	480 V rms
Power handling (at 20 °C, sea level)	≤ 200 W @ 2.2 GHz
Intermodulation (3 <sup>rd</sup> order)	≥ 160 dBc (2 x 43 dBm)

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

**Mechanical data**

Mating cycles	≥ 100
Center contact captivation	≥ 7 N
Engagement force	45 N max.
Disengagement force	15 N min.

**Environmental data**

Temperature range	-65°C to +165°C
Rapid change of temperature	IEC 60169-1, Sub-clause 16.4 (-65°C to +165°C)
Vibration	IEC 60068-2-64 random
Shock	IEC 60068-2-27 (half-sine)
High temperature endurance	IEC 60169-1, Sub-clause 18 (+165°C, 1000 hours)
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

**Weight**

Weight	1.06 g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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