



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

Interface

According to MIL-STD-348A, Fig. 326

Documents

Foot print B 121
Tape & reel packaging VG19.01M00

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Brass
PTFE

Plating

Gold, min. 0.8 µm, over chemical nickel
Gold, min. 0.8 µm, over chemical nickel

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 26 dB, DC to 6 GHz ≥ 21 dB, 6 to 12 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 12 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 7 N
Engagement force	
- limited detent	45 N max.
Disengagement force	
- limited detent	9 N min.

Environmental data

Temperature range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.

Tooling

N/A

Suitable cables

N/A

Packing

Standard	100 pcs in blister, B0100B 1250 pcs in tape & reel, B1250T
Weight	0.51 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	17/08/04	J. Krautenbacher	22/12/05	d00	05-0713	Rong Fang	22/12/05
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2