

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

Interface

According to

DIN 72594-1, ISO 20860-1

Documents

PCB layout

MB_506

Tape & reel packaging

VG261.26500

Material and plating

Connector parts

- Center contact
- Outer contact
- Housing
- Calibration and sucking cap

Material

- Brass
- Brass
- HTN
- HTN

Plating

- Gold, min. 0.15 µm, over chemical nickel
- Tin, 3-6µm

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 1 GHz
Insertion loss	≤ 0.1x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 1x10 ³ MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC

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

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 25 N
Disengagement force	≥ 2 N
Coding efficiency	≥ 40 N

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	DIN 72594-2 clause 8.2
Temperature and humidity	DIN 72594-2 clause 8.3
Vibration and mechanical shock	DIN 72594-2 clause 8.1
Dry heat	DIN 72594-2 clause 8.4
Soldering profile	acc. to IEC 60068-2-58 group 3&4
RoHS	compliant

Tooling

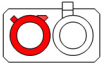


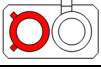
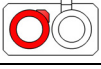









N/A

Packing

Standard	265 pcs on tape & reel
Weight	1,76g/pcs

Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59S11K-40MT5-A
 B	white	sim. 9001	59S11K-40MT5-B
 C	blue	sim. 5005	59S11K-40MT5-C
 D	bordeauxviolet	sim. 4004	59S11K-40MT5-D
 E	green	sim. 6002	59S11K-40MT5-E
 F	brown	sim. 8011	59S11K-40MT5-F
 G	grey	sim. 7031	59S11K-40MT5-G
 H	violet	sim. 4003	59S11K-40MT5-H
 I	beige	sim. 1001	59S11K-40MT5-I
 K	curry	sim. 1027	59S11K-40MT5-K
 L	carmine red	sim.3002	59S11K-40MT5-L
 M	pastel orange	sim. 2003	59S11K-40MT5-M
 N	pastel green	sim. 6019	59S11K-40MT5-N
 Z	waterblue	sim. 5021	59S11K-40MT5-Z

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
Manfred Ruf	01.09.08	R. Steigemann	16.02.16	600	16-0255	M. Gierer	16.02.16

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de	Tel. : +49 8684 18-0 Email : info@rosenberger.de	Page 3 / 3
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