

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

Interface

According to DIN 72594-1

Documents

PCB layout MB_480
Tape & reel packaging VG254.25000

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Housing

Material
Brass
Zinc alloy
HTN
HTN

Plating

AuroDur®, gold plated
Tin, 2-6µm

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 1 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 1 x10 ³ MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage (at sea level)	750 V rms
Working voltage (at sea level)	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
Retention force latch	≥ 110 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. IEC 60068-2-58 Group 3&4
RoHS	compliant

Tooling

N/A

Packing















Standard	250 pcs in tape and reel
Weight	4.17 g/pce

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RF_35/05:10/6.0

Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59S1AC-40MT5-A
 B	white	sim. 9001	59S1AC-40MT5-B
 C	blue	sim. 5005	59S1AC-40MT5-C
 D	bordeauxviolet	sim. 4004	59S1AC-40MT5-D
 E	green	sim. 6002	59S1AC-40MT5-E
 F	brown	sim. 8011	59S1AC-40MT5-F
 G	grey	sim. 7031	59S1AC-40MT5-G
 H	violet	sim. 4003	59S1AC-40MT5-H
 I	beige	sim. 1001	59S1AC-40MT5-I
 K	curry	sim. 1027	59S1AC-40MT5-K
 L	carmine-red	sim. 3002	59S1AC-40MT5-L
 M	pastell-orange	sim. 2003	59S1AC-40MT5-M
 N	white-green	sim. 6019	59S1AC-40MT5-N
 Z	waterblue	sim. 5021	59S1AC-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
A.Zaan	13.02.14	S.Murr	27.01.15	a00	15-s062	P. Schroeder	27.01.15

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Rosenberger:

[59S1AC-40MT5-D](#) [59S1AC-40MT5-Z](#) [59S1AC-40MT5-E](#)