

Electrical data

Impedance	50 Ω ^(b)
Frequency	DC to 6 GHz
Return loss measured on 50Ω footprint	≥ 23 dB (DC to 2,4 GHz) ≥ 20 dB (2.4 GHz to 4 GHz) ≥ 17 dB (4 GHz to 6 GHz)
Insertion loss	≤ 0.15 x dB
Insulation resistance	≥ 1x10 ³ MΩ
Center contact resistance	≤ 15 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC

- Limitations are possible due to the used cable type -
- Connector only, VSWR in application depends decisive on PCB layout

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 50 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. to IEC 60068-2-58 group 3&4
RoHS	compliant ^(b)

Tooling

N/A

Suitable cables

N/A

Packing

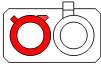


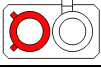
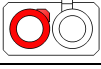






Standard	300 pcs on tape & reel
Weight	4,00 g/pce

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RF_35/09;14/6.2

Coding

Part number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59S2DU-40MT5_A
 B	white	sim. 9001	59S2DU-40MT5_B
 C	blue	sim. 5005	59S2DU-40MT5_C
 D	bordeauxviolet	sim. 4004	59S2DU-40MT5_D
 E	green	sim. 6002	59S2DU-40MT5_E
 F	brown	sim. 8011	59S2DU-40MT5_F
 G	grey	sim. 7031	59S2DU-40MT5_G
 H	violet	sim. 4003	59S2DU-40MT5_H
 I	beige	sim. 1001	59S2DU-40MT5_I
 K	curry	sim. 1027	59S2DU-40MT5_K
 Z	waterblue	sim. 5021	59S2DU-40MT5_Z

ⓑ

Change History

Rev.	Date	Change
b00	06.05.13	"2002/95/EC (RoHS)" changed to "RoHS" Coding E from wrong picture changed to right picture Impedance "50" changed to "50 Ω"
c00	27.01.16	Add quality inspection marking

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
T. Trenz	18.04.11	S. Murr	22.02.16	c00	16-0147	M. Gierer	22.02.16

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