

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

Interface

According to

DIN 72594-1 ; ISO 20860-1



Documents

PCB layout
Tape & reel packaging

MB_273
VG303.18500



Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Housing

Material

Brass
Brass
PA 6T/66
PA 6T/66

Plating

Gold, min. 0.15 µm, over chemical nickel
Tin, 6-8 µm

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Electrical data

Impedance	50
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	≥ 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
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

(b)

Tooling

N/A

Packing

Standard	185 pcs in tape & reel
Weight	1.65 g/pce















(b)

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Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59S10H-400T5-A
 B	white	sim. 9001	59S10H-400T5-B
 C	blue	sim. 5005	59S10H-400T5-C
 D	bordeauxviolet	sim. 4004	59S10H-400T5-D
 E	green	sim. 6002	59S10H-400T5-E
 F	brown	sim. 8011	59S10H-400T5-F
 G	grey	sim. 7031	59S10H-400T5-G
 H	violet	sim. 4003	59S10H-400T5-H
 I	beige	sim. 1001	59S10H-400T5-I
 K	curry	sim. 1027	59S10H-400T5-K
 L	carmine-red	sim. 3002	59S10H-400T5-L
 M	pastel-orange	sim. 2003	59S10H-400T5-M
 N	white-green	sim. 6019	59S10H-400T5-N
 Z	waterblue	sim. 5021	59S10H-400T5-Z

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Change Historie

Rev.	Date	Change
b00	14.06.16	Documents: - VG42.20000 to VG303.18500 Interface: - ISO 20860-1 added Environmental data: - Environmental data specification changed from "DIN 72594-2 clause 6.x" to "...8.x" - specification changed from "2002/95/EC (RoHS)" to "RoHS" Packing: - Standard 185 pcs in tape & reel

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
C. Stadler	14.08.07	S. Schörghofer	14.06.16	b00	16-0978	N. Naus	14.06.16

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