

1) position of center of gravity

All dimensions are in mm

Y = Part number has to be accomplished by codification

Interface

According to

ISO 20860-1

Documents

PCB layout

MB_601

Tray packaging

VB_BL005 250x135x18

Tape & reel packaging

VG536.40000

Material and plating

Connector parts

Center contact

Material

Brass

Outer contact

Zinc alloy

Dielectric

HTN

Housing

HTN

Plating

AuroDur®, gold plated

Tin, 2 µm min.

Preliminary

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 21 dB (DC to 3 GHz)
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1 x10 ³ MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	≤ 60 V DC
Power current	≤ 1 A DC

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

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 35 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	ISO 20860-2 clause 9.2
Temperature and humidity	ISO 20860-2 clause 9.3
Vibration and mechanical shock	ISO 20860-2 clause 9.1
Dry heat	ISO 20860-2 clause 9.4
Soldering profile	acc. to IEC 60068-2-58 group3 (250°C / 30s)
RoHS	compliant

Tooling

N/A















Packing

Standard	400 pce in tape & reel / 50 pce in blister tray
Weight	~3,8 g/pce

Preliminary

Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number	
	A	black	sim. 9005	59S2RK-40MT5-A
	B	white	sim. 9001	59S2RK-40MT5-B
	C	blue	sim. 5005	59S2RK-40MT5-C
	D	bordeauxviolet	sim. 4004	59S2RK-40MT5-D
	E	green	sim. 6002	59S2RK-40MT5-E
	F	brown	sim. 8011	59S2RK-40MT5-F
	G	grey	sim. 7031	59S2RK-40MT5-G
	H	violet	sim. 4003	59S2RK-40MT5-H
	I	beige	sim. 1001	59S2RK-40MT5-I
	K	curry	sim. 1027	59S2RK-40MT5-K
	L	carmine-red	sim. 3002	59S2RK-40MT5-L
	M	pastel-orange	sim. 2003	59S2RK-40MT5-M
	N	white-green	sim. 6019	59S2RK-40MT5-N
	Z	waterblue	sim. 5021	59S2RK-40MT5-Z

Preliminary

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
M. Gierer	28.11.17	B. Fritz	04.07.22	200	22-0839	L. Türk	04.07.22