

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

Interface

According to RN_148 (c)

Documents

PCB layout MB_426
Tape and reel packaging VG231.16000

Material and plating

Connector parts

Center contact
Body
Dielectric
Housing

Material

Brass
Zinc alloy
PA
PA

Plating

AuroDur®, gold plated
Tin, 2-5 µm, over Nickel 1-5 µm

Electrical data

Impedance	50 Ω
Frequency	DC to 6GHz
Return loss	≥ 18 dB
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1x10 ³ MΩ (d)
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

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 100 N
Disengagement force	≥ 5 N
Retention force plastic housing	≥ 110 N
Coding efficiency	≥ 40 N

Environmental data






Temperature range	-40°C to 105°C
Thermal shock	DIN 72594-2 clause 6.2
Temperature and humidity	DIN 72594-2 clause 6.3
Vibration and mechanical shock	DIN 72594-2 clause 6.1
Dry heat	DIN 72594-2 clause 6.4
Soldering profile	acc. IEC 60068-2-58 group 3&4
2002/95/EC (RoHS)	compliant

Packing

Standard	25 pcs in tray 160 pcs in tape & reel (d)
Weight	11.3 g

Coding

Part Number has to be accomplished by codification

Coding		Color	RAL	Part-Number
	A	black	sim. 9005	59S20Z-40MT5-A
	B	white	sim. 9001	59S20Z-40MT5-B
	C	blue	sim. 5005	59S20Z-40MT5-C
	D	claret violet	sim. 4004	59S20Z-40MT5-D
	E	green	Sim. 6002	59S20Z-40MT5-E