



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

Interface

According to DIN 72594-1

Documents

Assembly instruction MA_59V091
PCB layout MB_297

Material and plating

Center contact	Spring bronze	AuroDur®, gold plated
Center contact alt.	Beryllium copper	AuroDur®, gold plated
Outer contact	Spring bronze	Nickel, 2.5-5 μm
Body	Brass	Tin, 6-8 μm
Dielectric	PTFE	
Housing	PA	

FAKRA-
HF

RIGHT ANGLE JACK PCB

59K23C-40MA5-Y

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

7)

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 25 N
Disengagement force	≥ 2 N
Retention force latch	≥ 110 N
Torsion strength	≤ 60 Ncm
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. to IEC 60068-2-58; Group 3&4
2002/95/EC (RoHS)	compliant

Tooling

N/A

Packing

Standard	1000 pcs in Box; 700 pcs in Tape&Reel
Weight	4,60 g/pce

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