



FAKRA -  
HF

RIGHT ANGLE PLUG  
FOR PCB

**59S22B-40MT5-Y**

**Material and plating**

**Connector parts**

	<b>Material</b>	<b>Plating</b>
Center contact	Brass	AuroDur®
Outer contact	Zinc alloy	Tin, 2-6 µm
Dielectric	HTN	
Housing	HTN	

**Electrical data**

Impedance	50	
Frequency	DC to 6 GHz	
Return loss	≥ 26 dB, DC to 1 GHz	
Insertion loss	≤ 0.1 x √f(GHz) dB	
Insulation resistance	≥ 1x10 <sup>3</sup> MΩ	
Center contact resistance	≤ 5 mΩ	
Outer contact resistance	≤ 5 mΩ	
Test voltage	750 V rms	
Working voltage	≤ 60 V DC	(h)
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. to IEC 60068-2-58 group3&4
RoHS	compliant

**Tooling**

N/A

**Packing**

Standard	50 pcs in blister, 288 pcs in tape & reel, +400 pcs in tape & reel on request
Weight	4.9 g/pce

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