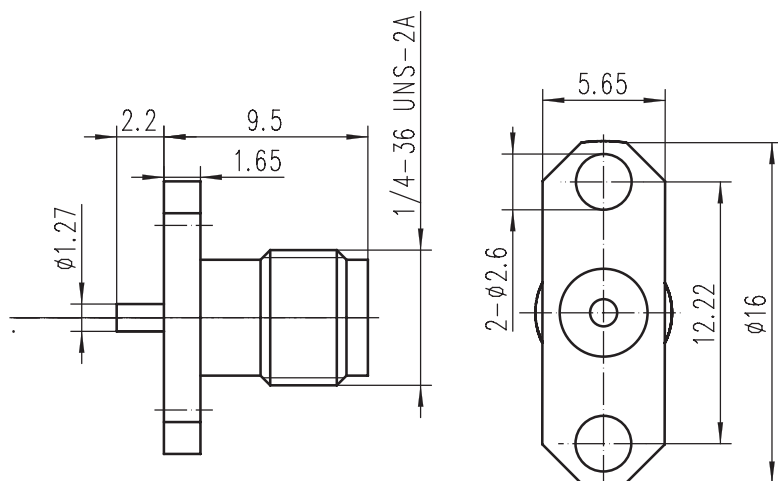


CONNECTOR

SMA Female Panel-Epoxy Captivated

SMA-KFD509A



Code: 130544

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	$\leq 1.05 + 0.005 \times f \text{ [GHz]}$, DC to 6 GHz ≤ 1.28 6 to 18 GHz
Insertion loss	$\leq 0.04 \times \sqrt{f \text{ (GHz)}}$ dB
Insulation resistance	$\geq 5 \times 10^3 \text{ M}\Omega$
Center contact resistance	$\leq 3 \text{ m}\Omega$
Outer contact resistance	$\leq 2 \text{ m}\Omega$
Test voltage	1000 V rms
Working voltage	480 V rms

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	$\geq 27 \text{ N}$
radial	$\geq 3 \text{ Ncm}$
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Material and plating

Connector parts	Material	Plating
Center contact	CuBe	Gold
Outer contact	Brass	Gold
Dielectric	PTFE	

Environmental data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
2002/95/EC (RoHS)	compliant

Shanghai Tuyue electronics Co. Ltd.

Tel.: +86 21 64753655 Fax: +86 21 61257270
Email: info@tuyue.com.cn Website: www.tuyue.com.cn

Page
1 / 1