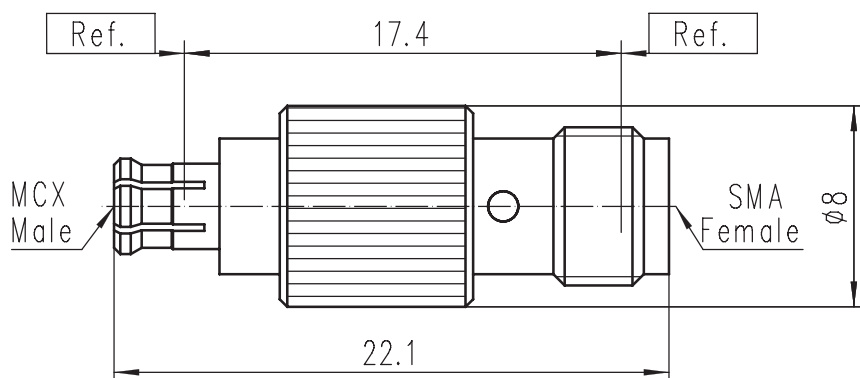


ADAPTOR MCX Male – SMA Female

SMA/MCX-KJ1



Code : 100045

Electrical data

Impedance	50 Ω	
Frequency	DC to 6 GHz	
Return loss	≥ 28 dB, DC to 1 GHz	
	≥ 26 dB, 2 to 4 GHz	
	≥ 23 dB, 4 to 6 GHz	
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB	
Insulation resistance	≥ 1 G Ω	
Center contact resistance	≤ 5.0 m Ω , MCX side;	≤ 3 m Ω , SMA side
Outer contact resistance	≤ 2.5 m Ω , MCX side;	≤ 2 m Ω , SMA side
Test voltage	750 V rms	
Working voltage	335 V rms	
Contact Current	1.5A DC max.	

Mechanical data

	MCX side	SMA side
Mating cycles	≥ 500	≥ 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force	≤ 25 N	N/A
Disengagement force	8 N min. to 20 N max.	N/A
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.8 Nm to 1.1 Nm

Material and plating

Connector parts	Material	Plating
Center contact	Beryllium copper	Gold plated
Outer contact MCX	Beryllium copper	Gold plated
Outer contact SMA	Brass	Gold plated
Dielectric	PTFE	

Environmental data

Temperature range	-60°C to +165°C
Thermal shock	CECC 22 220, Chapter 4.6.7
Vibration	CECC 22 220, Chapter 4.6.3
Corrosion	CECC 22 220, Chapter 4.6.10
Moisture resistance	CECC 22 220, Chapter 4.6.6
2002/95/EC (RoHS)	compliant