



5	1	Coupling nut	Brass/Gold plated
4	1	O ring	Silicone rubber
3	1	Body	Brass/Gold plated
2	1	Insulator	PTFE
1	1	Center contact	Brass/Gold plated

Designed by Mingang Han	Checked by Jinlong Gu	Approved by - date Hongyu Du	File name SMA-JFD22	Date 12.01.11	Scale 6 : 1
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Amitron Electronics, Ltd.	SMA-JFD22	
	http://www.amel.ru	Edition 1.0 Sheet 1/1

CHARACTERISTICS

DESCRIPTION: SMA Type male FL connector

Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 18 GHz
VSWR:	$\leq 1.08 + 0.015f$
Insertion loss:	$\leq 0.05X \sqrt{f[\text{GHz}]}$ dB
Insulation resistance:	$\geq 5000\text{M}\Omega$
Test voltage:	1000 V rms
Working voltage:	480 V rms
Contact resistance:	
1). Centre contact:	2.0 m Ω
2). Outer conductor:	2.0 m Ω
Power handling (at 20 °C, sea level, VSWR 1.0):	$\leq 200 \text{ W @ } 2 \text{ GHz}$
RF-leakage:	$\geq -(100-f(\text{GHz}))\text{dB}$

Environmental data:

Temperature rating:	-55 °C to +155 °C
2002/95/EC (RoHS):	Compliant

Mechanical data:

Mating cycles:	≥ 500
Center contact captivation:	$\geq 15 \text{ N(axial)}$
Coupling test torque:	$\leq 1.1 \text{ Nm}$
Recommended torque:	0.46 Nm to 0.69 Nm

Suitable cables:

N/A