

SMA Male to SMA Male Adapter

RF Adapters Technical Data Sheet **S-005-27HP-TGG (27GHz)**

Configuration

- SMA Male Connectr 1
- SMA Male Connectr 2
- 50 Ohms

Features

- Max VSWR of 1.25 : 1 up to 27GHz
- SMA Interface compliant with MIL-STD-348A

Applications

- General Purpose Test

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		27	GHz
VSWR		1.15 : 1	1.25 : 1	
Operating Voltagr(AC)			500	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insertion Resistance	5,000			mOhms

Mechanical Specifications

Size

Length	[mm]	21.1
Width	[mm]	9.2
Height	[mm]	8.0
Weight	[g]	6.5



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Weight

Description	Connector 1	Connector2
Type	SMA Male	SMA Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A MIL-C-39012	MIL-STD-348A MIL-C-39012
Mating Cycles	500	500
Hex Size	8 mm	8mm
Mating Torque	3 to 5 in-lbs	3 to 5 in-lbs
Coupling Proof Torque, Min	5 in-lbS	5 in-lbs

Material Specifications

Description	Connector 1		Connector2	
	Material	Plating	Material	Plating
Type	SMA Male	-	SMA Male	-
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE	-	PTFE	-
Outer Conductor	Brass	Gold	Brass	Gold
Body	Brass	Gold	-	-
Gasket	Silicone	-	-	-
Coupling Nut	Brass	Gold	-	-

Environmental Specifications

Temperature

Operating Range -50 to +125 deg C

Compliance Certifications

• RoHS Compliant Yes

Plotted and Other Data

Notes :

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