

**SMA Male to SMA Female Adapter**  
**RF Adapters Technical Data Sheet**  
**S-054-18HP-TGG (18GHz)**

**Configuration**

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

**Features**

- Max VSWR of 1.25 : 1 up to 18 GHz
- SMA Interface compliant with MIL-STD-348A

**Applications**

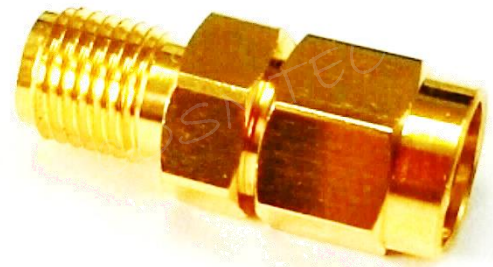
- General Purpose Test

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	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]	20.2
Width	[mm]	9.2
Height	[mm]	8.0
Weight	[g]	4.7



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**Weight**

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

**Material Specifications**

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

**Environmental Specifications**

**Temperature**

Operating Range -50 to +125 deg C

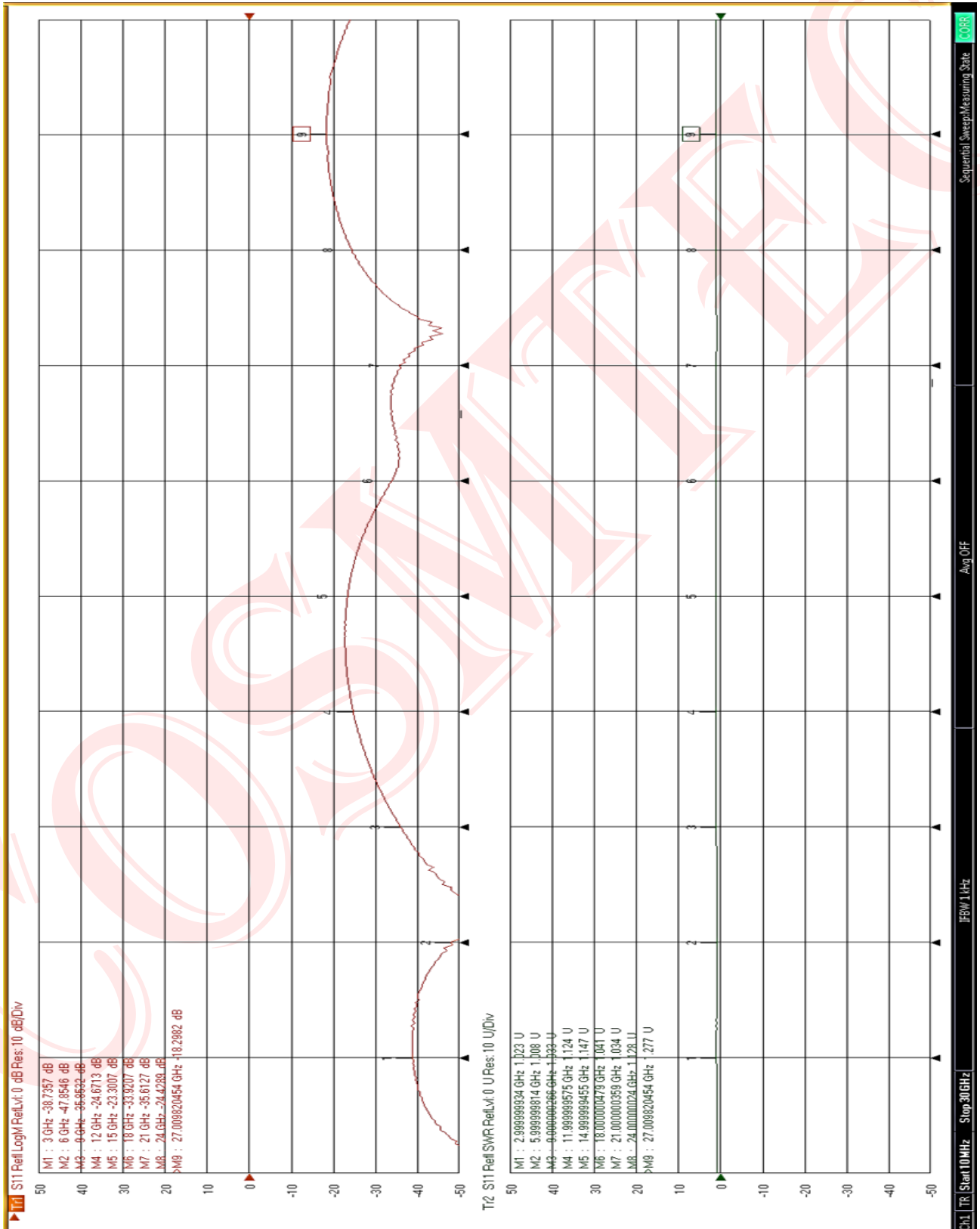
**Compliance Certifications**

- RoHS Compliant Yes

**Plotted and Other Data**

Notes :

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