

SMA Female to SMA Female Bulkhead Adapter

RF Adapters Technical Data Sheet **S-031-18HP-TGG (18GHz)**

Configuration

- SMA Female 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]	22.2
Width	[mm]	10.5
Height	[mm]	9.5
Weight	[g]	3.7

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Weight

Description	Connector 1	Connector2
Type	SMA Female	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	9.5 mm	-
Mating Torque	-	-
Coupling Proof Torque, Min	-	-

Material Specifications

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

Environmental Specifications

Temperature

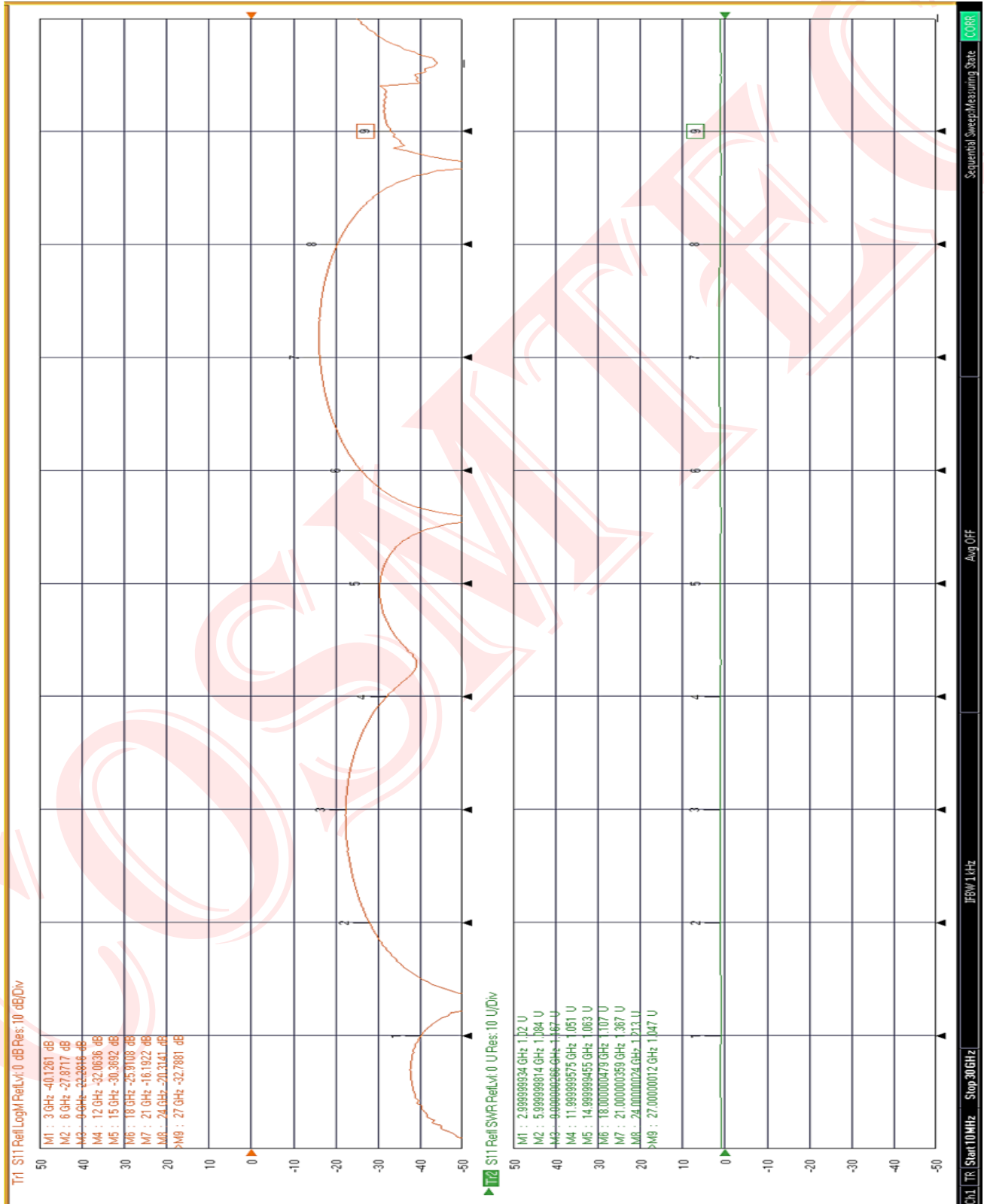
Operating Range -50 to +125 deg C

Compliance Certifications

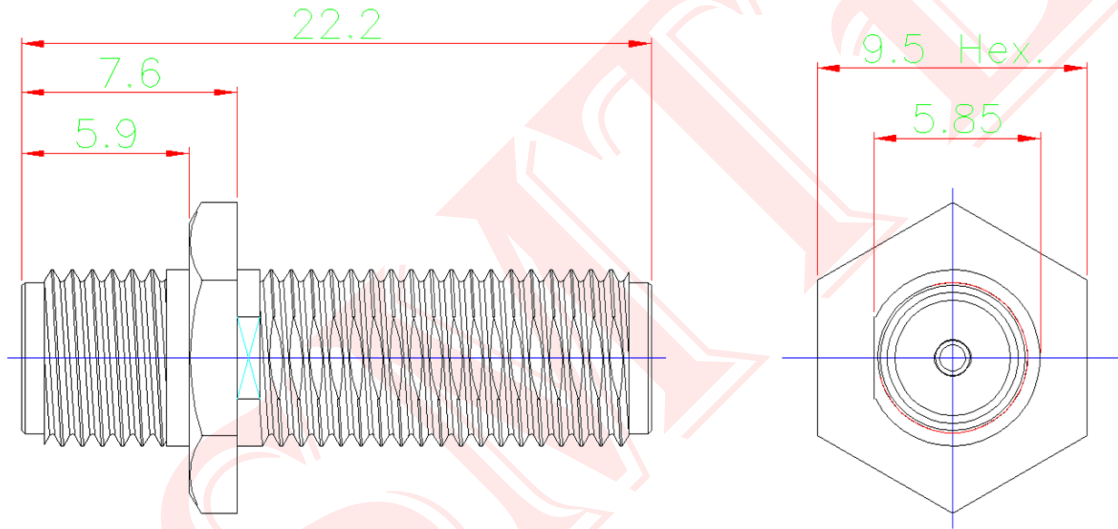
- RoHS Compliant Yes


Plotted and Other Data

Notes :

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				<small>Dimensions Are in Millimeters Unless Otherwise Specified Tolerances</small> 0.5-6 = ± 0.2 6-30 = ± 0.4 30-120 = ± 0.6 120-315 = ± 1.0 315-1000 = ± 1.6 1000-2000 = ± 2.4	 COSMTEC RESOURCES CO., LTD			Part No. S-031-18HP-TGG			
NO	Description	Material	Finish		DRAFT	CHECKED	APPROVED	Title: SMA JACK - JACK BULKHEAD ADAPTER			
1	Body	Brass	Gold		<small>The Drawing Contains Information That is Proprietary To Cosmtoc Resources Co., Ltd And Should Not Be Used Without Written Permission. www.cosmtoc.com</small>			DATE:	SCALE:	UNIT	REV
2	Contactors	BeCu	Gold		SEP/22/2016	1:1	m/m	A			
3	Insulator	Teflon	-								