

SMA Female to N Male Adapter
RF Adapters Technical Data Sheet
S-022

Configuration

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

Features

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

Applications

- General Purpose Test

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.25 : 1	
Operating Voltage(AC)			1,000	Vrms
Inner Conductor DC Resistance			2	mOhms
Outer Conductor DC Resistance			0.5	mOhms
Insertion Resistance	5,000			mOhms

Mechanical Specifications
Size

Length	[mm]	31.8
Width	[mm]	20.0
Height	[mm]	20.0
Weight	[g]	54.5

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Description	Connector 1	Connector2
Type	SMA Female	N Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A
	MIL-C-39012	MIL-C-39012
Mating Cycles	500	500
Hex Size	-	-
Mating Torque	-	-
Coupling Proof Torque, Min	-	-

Material Specifications

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

Environmental Specifications

Temperature

Operating Range -60 to +165 deg C

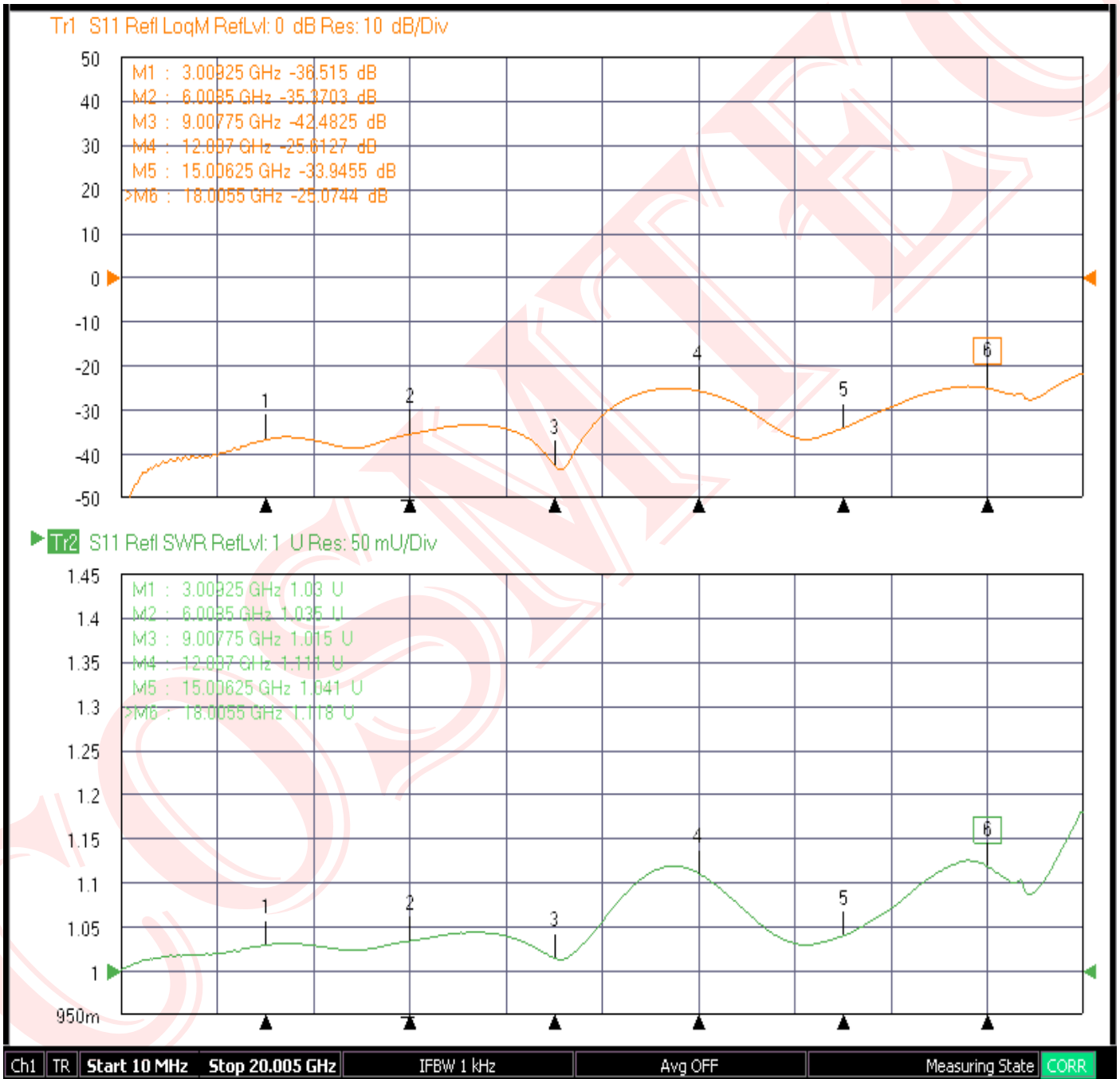
Compliance Certifications

- RoHS Compliant Yes

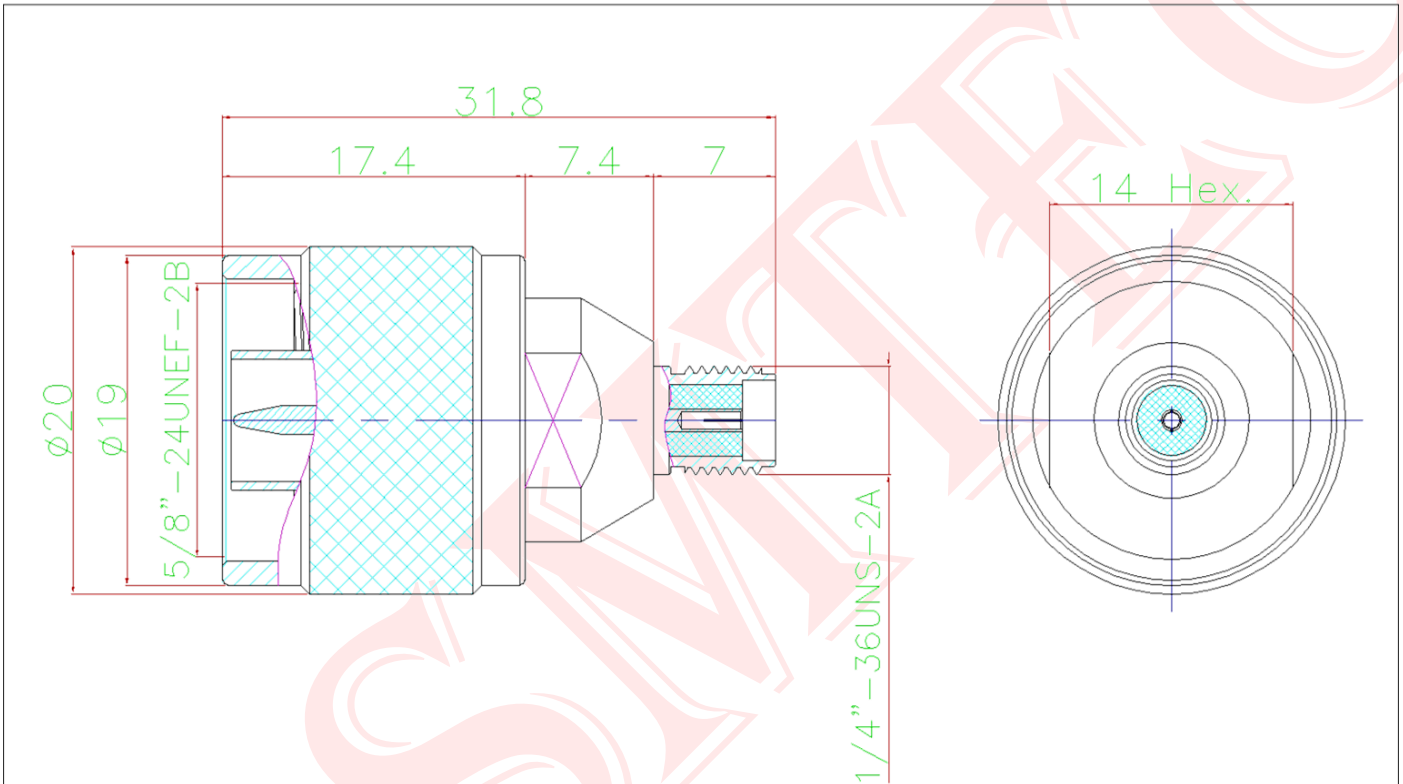
Plotted and Other Data

Notes :

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NO	Description	Material	Finish
1	Shell	Brass	Nickel
2	Body	Brass	Nickel
3	Ground	Brass	Nickel
4	Body	Brass	Nickel
5	Contactors	P.H Bronze	Gold
6	Snap Ring	Stainless	-
7	Gasket	Silicone	-

Dimensions Are in Millimeters Unless Otherwise Specified

Tolerances	0.5-6	6-30	30-120	120-315	315-1000	1000-2000
	± 0.2	± 0.4	± 0.6	± 1.0	± 1.6	± 2.4

ROHS COMPLIANT

COSMTEC RESOURCES CO., LTD

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Part No.	S-022
Title:	SMA JACK - N PLUG ADAPTER (DC-18GHz)
DATE:	MAY/22/2011
SCALE:	1:1
UNIT:	m/m
REV:	A