

**SMA Male - SMA Male Precision Cable
Using SS-402 Coaxial Cable**

**Technical Data Sheet
S050-SS402-S050-30CM**

Configuration

- SMA Male Connectr 1
- SMA Male Connectr 2
- 50 Ohms
- Harbour SS-402 Coaxial Cable

Features

- Max VSWR of 1.25 : 1 up to 30 GHz
- SMA Interface compliant with MIL-STD-348A

Applications

- General Purpose Test

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		30	GHz
VSWR			1.25 : 1	

Mechanical Specifications



- Center Conductor: Solid Silver Plated Copper Clad Steel
- Dielectric: Solid PTFE
- Inner Shield: Spiral Strip Of Silver Plated Copper
- Outer Braid: Round Silver Plated Copper
- Jacket: Solid Blue FEP
- Operating Temperature: -55 to +200 deg C
- Velocity of Propagation: 70%
- Impedance: 50 Ohms
- OCapacitance: 29.4 pF/ft
- Shielding Effectiveness: < -100 dB

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SS402 – 31 GHz	
Center Conductor Diameter	.037" / (0.93mm)
Dielectric Diameter	.117" / (2.97mm)
Diameter Over Braid	.125" / (3.17mm)
Diameter Over Interlayer	- / -
Diameter Over Outer Braid	.138" / (3.50mm)
Overall Diameter	.163" / (4.14mm)
Weight (lbs / mft)	32
Bend Radius	.8" / (20.32mm)
Attenuation (dB / 100ft)@	Typ
400 MHz	6.4
1 GHz	10.5
2 GHz	15.5
2.4 GHz	17.2
3 GHz	19.5
5 GHz	26.3
10 GHz	40.1
18 GHz	58.3
26 GHz	74.4
31 GHz	83.9

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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	8mm	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
Body	Brass	Gold	-	-
Gasket	Silicone	-	-	-
Coupling Nut	Brass	Gold	-	-

Environmental Specifications

Temperature

Operating Range -40 to +190 deg C

Compliance Certifications

- RoHS Compliant Yes

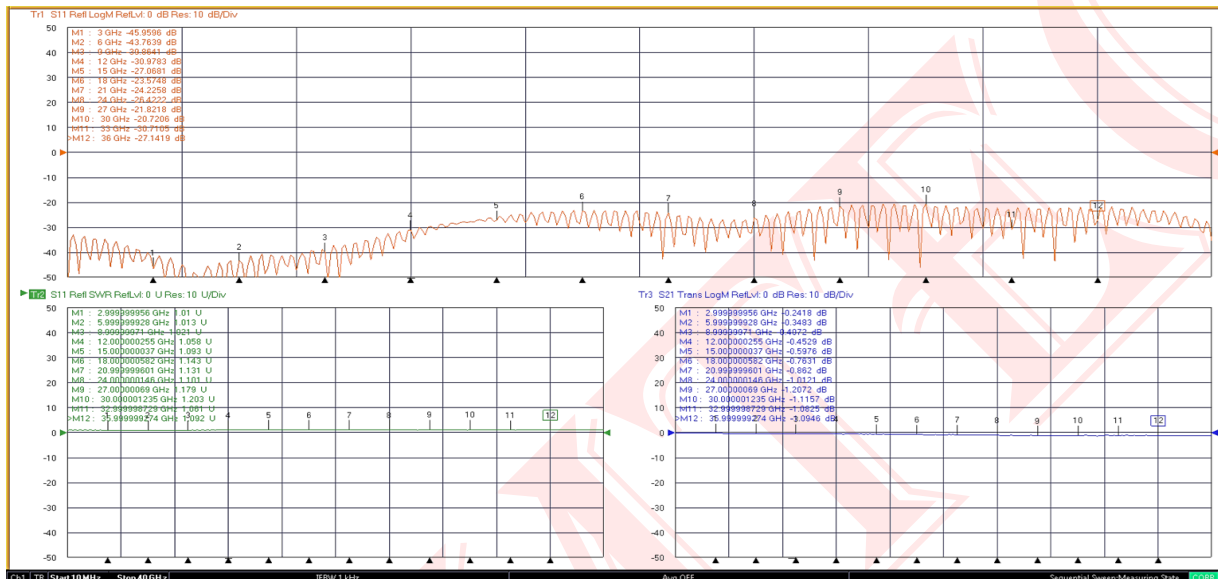
Plotted and Other Data

Notes :

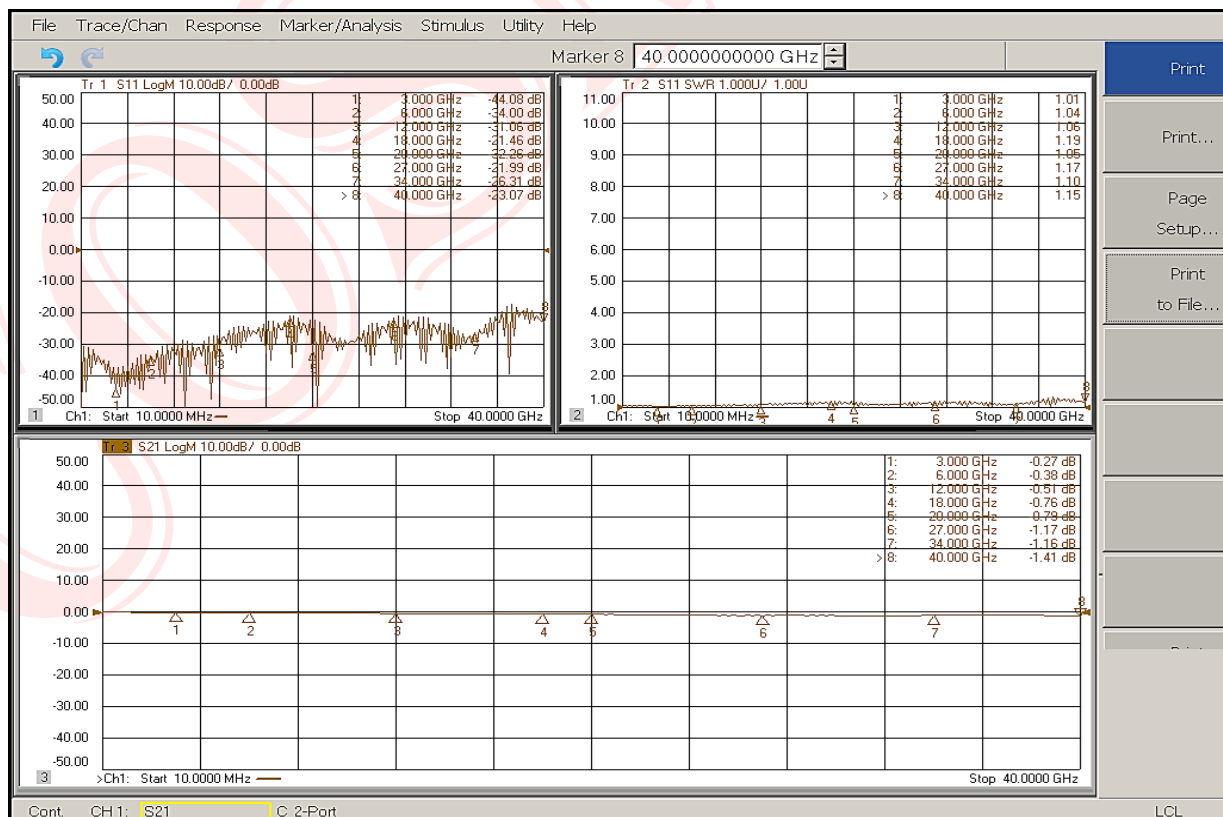
The length of cable assembly, we can according customer's demand to produce.

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Technical Data Sheet S050-SS402-S050-30CM Anritsu Network Analyzer (MS46322A) Testing Report

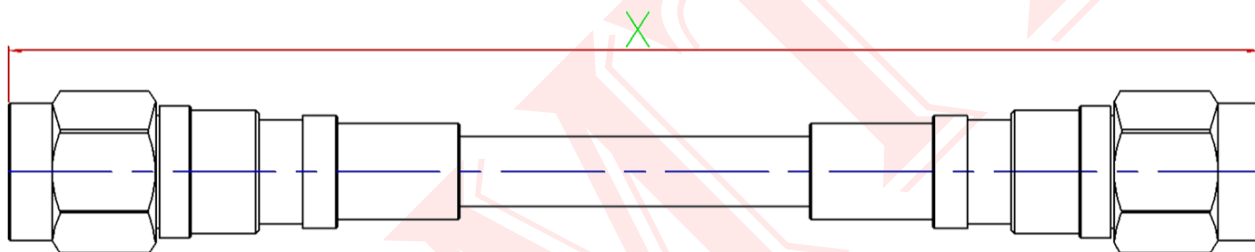


Technical Data Sheet S050-SS402-S050-30CM Agilent Network Analyzer (N5227A) Testing Report



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**RF Adapters Technical Data Sheet
S050-SS402-S050-30CM**



X	Dimension
1	30cm
2	60cm
3	100cm

NO Description		Dimensions Are in Millimeters Unless Otherwise Specified Tolerances	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. S050-SS402-S050-___CM
1	SMA PLUG FOR SS402			DRAFT CHECKED APPROVED	Title: SMA PLUG + SS402+SMA PLUG CABLE ASSEMBLY
2	HARBOUR SS402 COAXIAL CABLE			The Drawing Contains Information That is Proprietary To Cosmtec Resources Co., Ltd And Should Not Be Used Without Written Permission	DATE: SEP/22/2016 SCALE: 1:1 UNIT: m/m REV: A