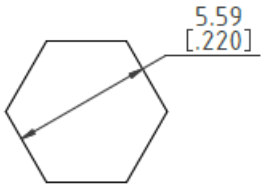
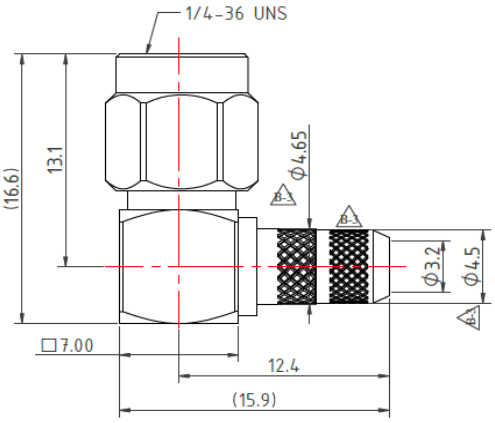
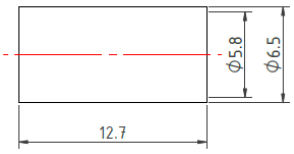
SMA Right Angle Plug, Crimp Type for RG55, 142, 223, 400 Cables



Recommended Crimping Dimensions for Ferrule



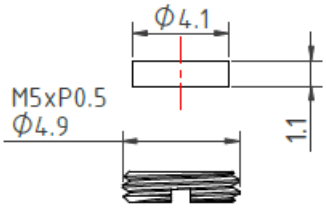


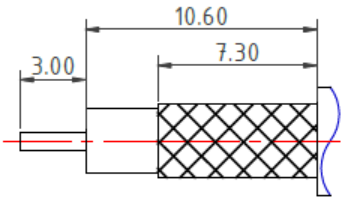
Frequency:

Frequency range: 0~18GHz

VSWR: 1.5 Max. under 6GHz

Insertion Loss (dB): 0.177 under 6GHz

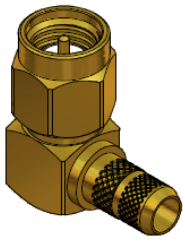




Recommended Cable Stripping Dimensions

Electrical:

Impedance: 50 ohm
Voltage Rating: ≧ 500 V rms MIN.(Depending on cable)
Insulator Resistance : ≧ 5 GΩ
Dielectric Withstanding Voltage : 1000 V rms
Contact Resistance : Center Contact ≦ 3 mΩ.
Outer Contact ≦ 2.5 mΩ
*** For Commercial Grade Connector, Please Specify Your Electrical Parameter as It May Affect the Cost for Higher Frequency Application.



ITEM	Description	Material	Finish
7	Cap Nut	Brass	Finish 1/2/4
6	Bushing	PTFE	None
5	Ferrule	Brass	Finish 1/2/4
4	Inner Contact	Brass	Finish 1/2/3
3	Insulator	PTFE	None
2	Body	Brass	Finish 1/2/4
1	Shell	Brass	Finish 1/2/4

Mechanical:

Mating : 1/4-36 UNS Screw-on Coupling

Environmental:

Temperature Range : -65°C to 165°C
Corrosion (Salt Spray): MIL-STD-202, Method 101, Cond. B
Shock : MIL-STD-202, Method 213, Cond. I
Vibration (HF): MIL-STD-202, Method 204, Cond. D
Thermal Shock: MIL-STD-202, Method 107, Cond. B

Finish [Unit of Plating Thickness Is in Micro Inch(μ)]

1.Copper Strike Plating Thk. : 20 μ"min. (Under Plating)

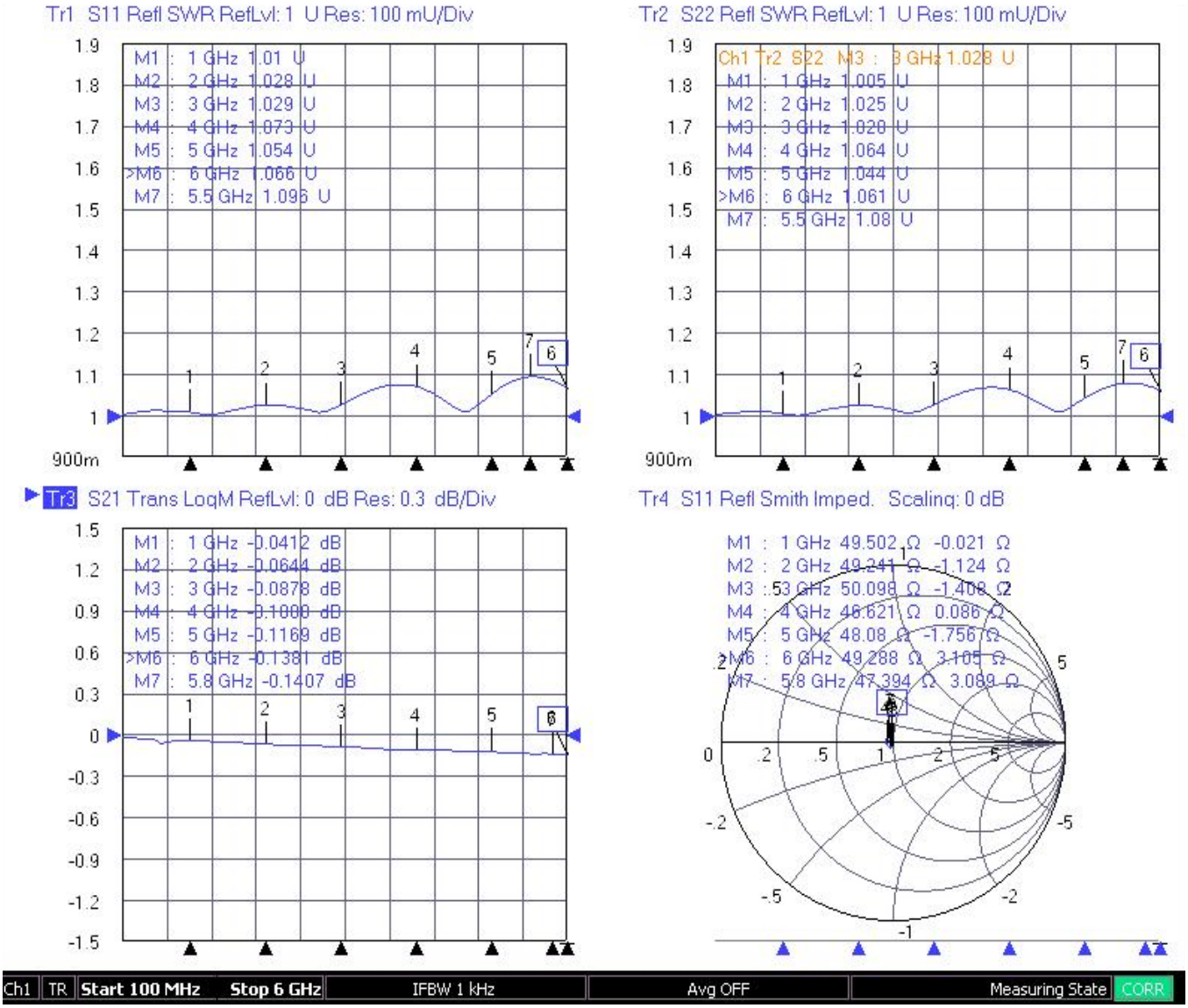
2.Nickel Plating Thk. : 120 μ"min. (Over Finish 1)

3.Gold Plating Thk. : 30 μ"min. (Over Finish 2)

4.Gold Plating Thk. : 2 μ"max. (Over Finish 2)

Tolerances	Scale	Abbr.	Rev.	Part Number: F111-2121	
.X ±0.2 .XX ±0.1 .XXX ±0.05	NTS	ST	B		
PAGE 1 of 1	All Dimensions in mm (Unless Otherwise Specified)			Date 2021/08/07	RoHS 2

Test Report Of The Connector



Notes:

1- Any Electrical, Mechanical or Environmental Test Per MIL-PRF-39012F Should be Spotlighted, as We May Not Have All Testing Equipment to Cover All of It.

2- Single Crimp: Recommended Dimensions Provided for Ferrule.
Dual Crimp: Recommended Dimensions Provided for Ferrule and Inner Contact. Please Advise Single/Dual in Advance to Avoid Any Inconsistency.

3- All Metal Materials Are in Compliance with RoHS 2 Directive 2011/65/EU Annex III Section 6 Paragraph.

4- Recommended Crimped Hand Tool : for Ferrule P/N - HT-301Y

Tolerances	Scale	Abbr.	Rev.	Part Number: F111-2121	
.X ±0.2 .XX ±0.1 .XXX ±0.05	NTS	ST	B-3		
PAGE 1 of 1	All Dimensions in mm (Unless Otherwise Specified)			Date 2021/08/07	RoHS 2