*Change new drawing frame in Blue Color since 2009/07/01 , to comply with Company CIS Policy.

Revisions

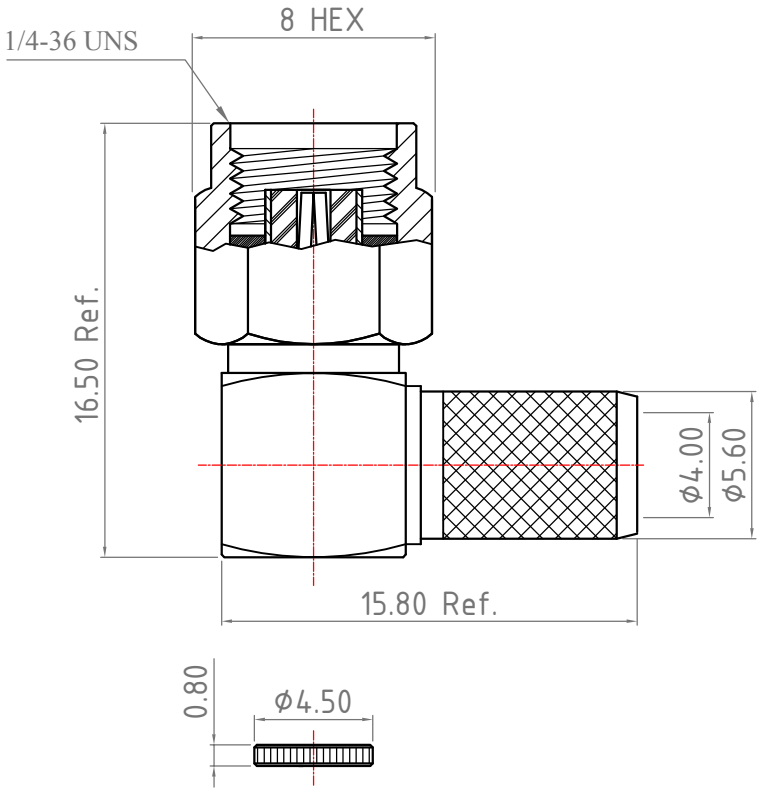
Note: Revisions B; B-1; B-2..... On Behalf of Official Drawing.
Revisions 1; 2; 3; 4..... On Behalf of Experiment's Drawing.

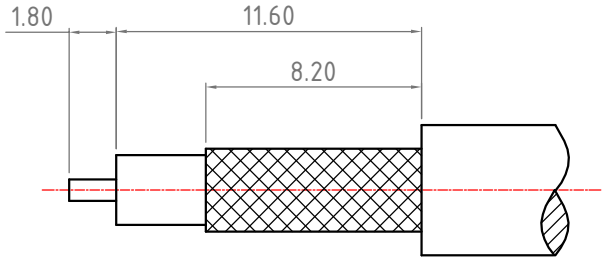
ISS	Symbol	Description	Date
B	B	CHE for New Drawing Frame & New PN System	2006/07/10

Outline Drawing

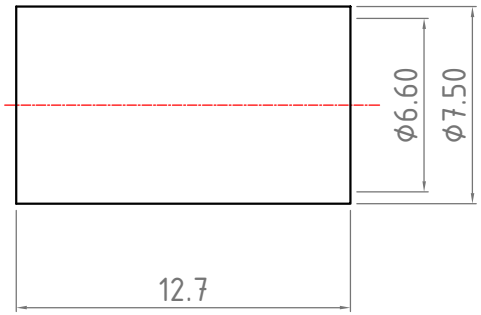
Notes :

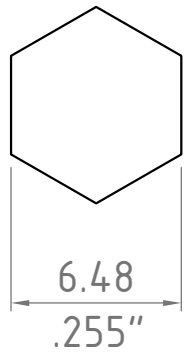
1. Any Electrical, Mechanical or Environmental Test Per MIL-C-39012 Should be Spotlighted, as We May Not Have All Testing Equipment to Cover All of It.
2. All Metal Materials Are in Compliance with RoHS 2 Directive 2011/65/EU Annex III Section 6 Paragraph.
3. Recommended Crimped Hand Tool : for Ferrule P/N - HT-801G





Recommended Cable Stripping Dimensions





Recommended Crimping Dimensions for Ferrule

Electrical :

Impedance : 50 ohm
Frequency Range : 0~12.4 GHz .
Voltage Rating : 500 V rms (depending on cable)
Insulator Resistance : ≧5 GΩ
Dielectric Withstanding Voltage : 1000 V rms .
Contact Resistance : Center Contact ≦3 mΩ.
Outer Contact ≦2.5 mΩ .
VSWR : ≦1.2 + .03f (GHz)

Mechanical :

Mating : 1/4-36 UNS Screw-on Coupling.
Recommended Mating Torque : 7.1~9.7 lbs
Coupling Nut Retention Force : ≧60.7 lbs

Environmental :

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

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

1. Nickel Plating Thickness : 80 μ"
2. Gold Plating Thickness : 2 μ" MAX.

ITEM	Description	Material	Finish	Part Number	QTY
6	Cap	Brass	Finish 1		
5	Ferrule	Brass	Finish 1		
4	Pin	P. Bronze	Finish 1/2		
3	Insulator	PTFE	None		
2	Body	Brass	Finish 1		
1	Shell	Brass	Finish 1		

Scale	Abbr.	Date	Rev.
NTS	ST	2014/06/12	B

Tolerances :
.X ±0.2
.XX ±0.1
.XXX±0.05
Angular :
.X ±1°

Drawn	Checked	Approved
Kevin 2014/06/12	Mark 2014/06/12	H. Sun 2014/06/12

All Dimensions in mm (Unless Otherwise Specified)

DWG.NO. RS104F0N03-BB
Customer P/N:

RoHS 2

TITLE
RP SMA R/A Crimp Plug
for 8X,LMR240,B7808A,H155 Cable

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