

ITEM	Description	Material	Finish
1	Shell	Brass	Finish 1/2/4
2	Body	Brass	Finish 1/2/4
3	Insulator	PTFE	None
4	Inner Contact	Brass	Finish 1/2/3
5	Ferrule	Brass	Finish 1/2/4

## Electrical:

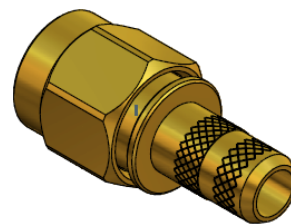
- Impedance: 50 ohm
- Voltage Rating:  $\geq 335$  V rms (Depending on cable)
- Insulator Resistance :  $\geq 5$  G $\Omega$
- Dielectric Withstanding Voltage :  $\geq 1000$  V rms
- Contact Resistance : Center Contact  $\leq 3$  m $\Omega$ .
- Outer Contact  $\leq 2$  m $\Omega$

## Finish:

- [Unit of Plating Thickness Is in Micro Inch( $\mu$ )]
- Copper Strike Plating Thk. : 20  $\mu$ "min. (Under Plating)
  - Nickel Plating Thk. : 120  $\mu$ "min. (Over Finish 1)
  - Gold Plating Thk. : 30  $\mu$ "min. (Over Finish 2)
  - Gold Plating Thk. : 2  $\mu$ "max. (Over Finish 2)

## Mechanical:

- Mating : 1/4-36 UNS Screw-on Coupling
- Force to Engage and Disengage Torque :  $\leq 2$  in.lbs
- Coupling Proof Torque :  $\geq 15$  in.lbs
- Coupling Mechanism Retention force :  $\geq 60.7$  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
- Shock : MIL-STD-202, Method 213, Cond.I
- Vibration : MIL-STD-202, Method 204, Cond.D

## Notes:

- The overall contour may be slightly changed per terminating with different cable and we reserve right to change it without notice.
- Any changes for interface dimensions are strictly prohibited.
- The Material and plating are in various options per customer's request.
- For Commercial Grade Connector, Please Specify Your Electrical Parameter as It May Affect the Cost for Higher Frequency Application.

<b>Tolerances</b> .X $\pm 0.2$ .XX $\pm 0.1$ .XXX $\pm 0.05$	Scale	Abbr.	Rev.	<b>Part Number</b> F111-112X02	
	NTS	ST	B		
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