

## Frequency:

Frequency range: 0~18GHz

VSWR: 1.5 Max. under 6GHz

Insertion Loss (dB): 0.177 under 6GHz

## Electrical:

Impedance: 50 ohm

Voltage Rating:  $\geq 500$  V rms MIN.(Depending on cable)

Insulator Resistance :  $\geq 5$  G $\Omega$

Dielectric Withstanding Voltage : 1000 V rms

Contact Resistance : Center Contact  $\leq 3$  m $\Omega$ .

Outer Contact  $\leq 2.5$  m $\Omega$

## Mechanical:

Mating : 1/4-46 UNS Screw-on Coupling

Recommended Mating Torque : 7.1~9.7lbs

Coupling Nut 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

Mechanical : MIL-STD-202, Method 213, Cond.I

Vibration : MIL-STD-202, Method 204, Cond.D

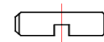
## Notes:

1- The overall contour may be slightly changed per terminating with different cable and we reserve right to change it without notice.

2- Any changes for interface dimensions are strictly prohibited.

3- The Material and plating are in various options per customer's request.

4- A complete information for connectors is available upon request.



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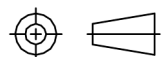
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Cable Type	Dimensions				
	A	B	C	D	E
1.13	2.4	3.1	1.2	10.9	16.6
1.32	2.4	3.1	1.4	10.9	16.6
RG174,316	1.7	2.7	3.1	12.6	16.6
RG316 Double Braided	1.7	2.7	3.5	13.35	16.55
RG178	2.4	3.1	1.9	10.9	16.6
RG58	3.1	4.5	5.6	15.9	16.6
LMR 200	3.1	4.5	5.6	15.9	16.6
LMR 240	3.9	5.5	6.4	15.6	16.7
RG223	3.2	4.6	5.8	15.9	16.6

Tolerances
.X $\pm 0.2$
.XX $\pm 0.1$
.XXX $\pm 0.05$

Scale	Abbr.	Rev.
NTS	ST	B

Part Number	F111-212x
	PN index above



PAGE	All Dimensions in mm (Unless Otherwise Specified)
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Date
2021/08/08

