



## Frequency:

Frequency range: 0 to 11 GHz (50Ω)  
 0 to 1 GHz (75Ω)

VSWR: ≤1.3 (straight connector)  
 ≤ 1.35 (right angle connector)

Insertion Loss (dB): 0.177 under 6GHz (50 ohm)  
 0.177 under 1GHz (75 ohm)

PN  
index  
  
0

Cable Type	Dimensions			
	A	B	C	D
RG174,316	1.7	2.7	0.6	3.2

## Electrical:

Impedance: 50/75 ohm

Voltage Rating: ≥500 V rms (Depending on cable)

Insulator Resistance : ≥ 5 GΩ

Dielectric Withstanding Voltage : 1500 V rms

Contact Resistance : Center Contact ≤ 1.5 mΩ  
 Outer Contact ≤ 1 mΩ

## Mechanical:

Mating : 7/16 - 28UNEF Screw-on Coupling

Recommended Mating Torque: 4.1 lbs ~ 6.1 lbs

Coupling Nut Retention Force: ≥101.2 lbs

Cable Retention Force: ≥ 12.1 lbs (for RG316)  
 ≥ 28.7 lbs (for RG58)  
 ≥ 38.3 lbs (for RG59)



## Environmental:

Temperature Range : -55°C to 155°C

Corrosion (Salt Spray) : MIL-STD-202, Method 101, Cond.B

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

Thermal Shock : MIL-STD-202, Method 107, Cond.B

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

## 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.

Tolerances .X ±0.2 .XX ±0.1 .XXX ±0.05	Scale NTS	Abbr. ST	Rev. B	Part Number <b>F142-325X</b> PN index above	
PAGE <b>1 of 1</b>	All Dimensions in mm (Unless Otherwise Specified)			Date 2021/08/24	