

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)

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)



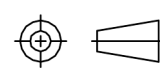

| PN index | Cable Type | Dimensions | | | | | | |
|----------|------------|------------|-----|-----|-----|------|------|------|
| | | A | B | C | D | E | F | G |
| 0 | RG174, 316 | 2.7 | 3.7 | 0.6 | 2.9 | M2.3 | 12.7 | 17.5 |
| 1 | RG58 | 3.2 | 4.6 | 1.0 | 5.6 | M2.3 | 12.7 | 17.5 |
| 2 | RG223 | 3.2 | 4.6 | 1.0 | 5.8 | M2.3 | 12.7 | 17.5 |

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 | Abbr. | Rev. | Part Number F142-114x PN index above |  |
| | NTS | ST | B | | |
| PAGE 1 of 1 | All Dimensions in mm (Unless Otherwise Specified) | | | Date 2021/08/23 |  |