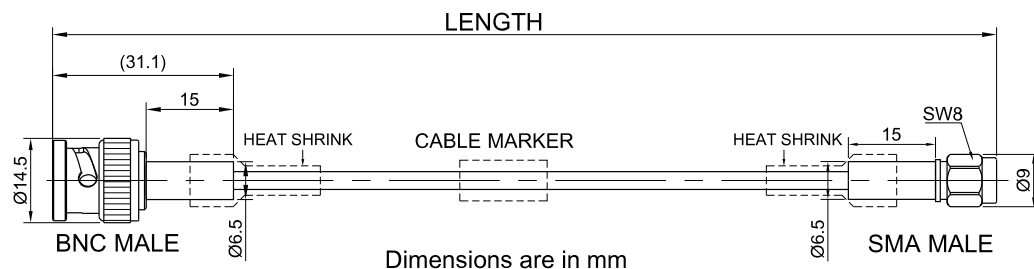


P/N: GAR1P-BNCMSMM-XXX

BNC Male to SMA Male Cable Assembly | RG142-PVC Flexible Coax Cable | DC-6GHz

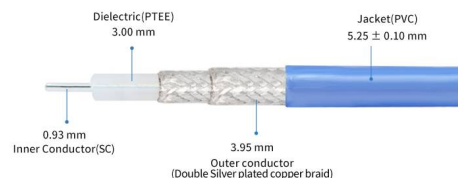


Connectors Configuration

| | Connector 1 | Connector 2 |
|---------------------------|-------------|-------------|
| Connector Series | BNC | SMA |
| Connector Polarity | Standard | Standard |
| Connector Gender | Male | Male |
| Connector Impedance (Ohm) | 50 | 50 |
| Connector Body Style | Straight | Straight |
| Connector Body Material | Brass | Brass |
| Connector Body Plating | Tri-Metal | Tri-Metal |

Cable Configuration

| | |
|--------------------------|----------------------------|
| Cable Type | RG142-PVC Flexible Cable |
| Cable Impedance (Ohm) | 50 |
| Inner Conductor Material | Silver Plated Copper |
| Dielectric Material | PTFE |
| Shield Layer 1 Material | silver plated copper braid |
| Shield Layer 2 Material | silver plated copper braid |
| Jacket Material | PVC |
| Cable Diameter (mm) | 5.25±0.1 |
| Cable Color | Blue |
| Minimum Bend Radius (mm) | 25 |
| Capacitance (pF/m) | 96.45 |
| Velocity of Propagation | 70% |
| Shielding Effectiveness | < -80dB @ 1GHz |



P/N: GAR1P-BNCMSMM-XXX

BNC Male to SMA Male Cable Assembly | RG142-PVC Flexible Coax Cable | DC-6GHz

Electrical Data

| Electrical Specifications for Different Length | | | | |
|--|-----------------------|-----------|--------------------|-----------------------|
| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100 | ±3 | DC - 6GHz | 1.25 to 6GHz | 0.38 to 6GHz |
| 200 | ±3 | | | 0.51 to 6GHz |
| 300 | ±5 | | | 0.64 to 6GHz |
| 500 | ±5 | | | 0.90 to 6GHz |
| 1000 | ±10 | | | 1.55 to 6GHz |

Enviromental Specifications

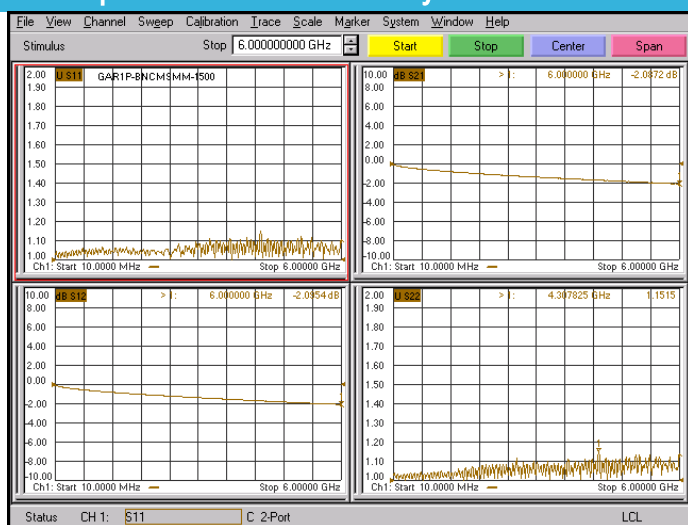
RoHS Compliant

Yes

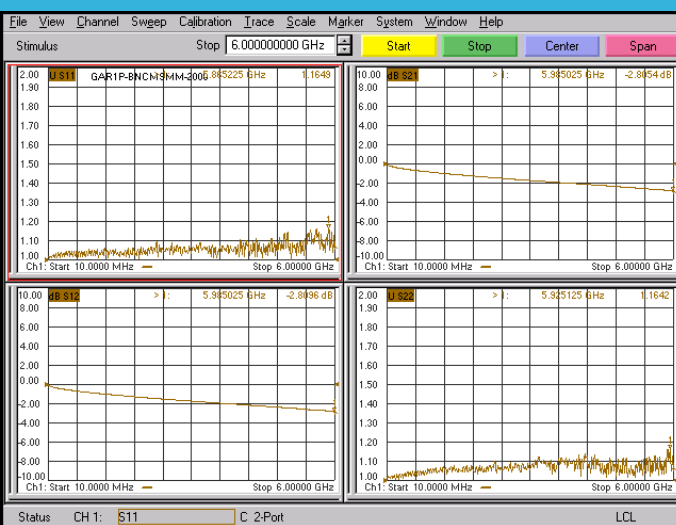
Operating Temperature Range

-20°C to +70°C

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 1500 mm



*Note: Test Cable Assembly Length = 2000 mm