



* Label and Shrinking tube design depend on customer's request.

Configuration

| | |
|---------------------------|---------------------|
| Connector 1 Type | N Female |
| Connector 1 Body Style | Straight |
| Body Material and Plating | Brass Nickel Plated |
| Connector 1 Mount Method | None |
| Connector 2 Type | SMA Female |
| Connector 2 Body Style | Straight |
| Body Material and Plating | Brass Gold Plated |
| Connector 2 Mount Method | None |
| Cable Type | RG142 Series |

Electrical Specifications

| | |
|-----------------------------|---------------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 10 GHz |
| Return Loss/VSWR | 1.35 to 5 GHz |
| Phase Stability vs. Flexure | N/A |
| Amplitude Stability | N/A |
| Shielding Effectiveness | <-80dB @ 1GHz |
| Phase Matching | On request |
| Signal Delay | On request |
| Power Handling | 260watt @ 2.5GHz at sea level,VSWR1.0 |

Environmental Data

| | |
|-------------------|-----------------|
| Temperature Range | -40°C to +125°C |
| 2002/95/EC(RoHS) | Compliant |

Cable Specifications

| | |
|----------------------------|----------------------|
| Center Conductor | Silver plated copper |
| Dielectric | Solid PTEE |
| Jacket | FEP |
| Capacitance(pF/m) | 94 |
| Velocity of propagation(%) | 70 |
| Min. bending radius(mm) | 25 |
| Jacket Diameter(mm) | 4.95±0.13 |

Part Number List

| Part Number | Length [mm] | Insertion Loss ≤(dB) | |
|-----------------|-------------|----------------------|------|
| | | 3GHz | 5GHz |
| GAR1-NFSMF-1000 | 1000±10 | 1.05 | 1.35 |
| GAR1-NFSMF-1500 | 1500±15 | 1.4 | 1.85 |

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