



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

Configuration

| | |
|---------------------------|-------------------|
| Connector 1 Type | SMA Male |
| Connector 1 Body Style | Right Angle |
| Body Material and Plating | Brass Gold 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 | Bulkhead |
| Cable Type | RG316 Series |

Electrical Specifications

| | |
|-----------------------------|--------------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 3 GHz |
| Return Loss/VSWR | 1.30 to 3 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 | 88watt @ 1.5GHz at sea level,VSWR1.0 |

Environmental Data

| | |
|-------------------|-----------------|
| Temperature Range | -55°C to +165°C |
| 2002/95/EC(RoHS) | Compliant |

Cable Specifications

| | |
|----------------------------|----------------------|
| Center Conductor | Silver plated copper |
| Dielectric | Solid extruded PTFE |
| Jacket | FEP |
| Capacitance(pF/m) | 94 |
| Velocity of propagation(%) | 70 |
| Min. bending radius(mm) | 15 |
| Jacket Diameter(mm) | 2.54 |

Part Number List

| Part Number | Length [mm] | Insertion Loss ≤(dB) | |
|--------------------|-------------|----------------------|------|
| | | 1GHz | 3GHz |
| GAR3-SMWMSMYF-5000 | 5000±20 | 4.65 | 7.85 |
| GAR3-SMWMSMYF-2000 | 2000±10 | 1.95 | 3.25 |
| GAR3-SMWMSMYF-1000 | 1000±10 | 1.05 | 1.75 |
| GAR3-SMWMSMYF-500 | 500±10 | 0.65 | 1.04 |
| GAR3-SMWMSMYF-200 | 200±10 | 0.41 | 0.61 |

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