



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

Configuration

| | |
|---------------------------|-------------------|
| Connector 1 Type | SMA Female |
| Connector 1 Body Style | Straight |
| Body Material and Plating | Brass Gold Plated |
| Connector 1 Mount Method | Bulkhead |
| Connector 2 Type | GPO(SMP) Female |
| Connector 2 Body Style | Right Angle |
| Body Material and Plating | CuBe Gold Plated |
| Connector 2 Mount Method | None |
| Cable Type | GUT-085-Form-FEP |

Electrical Specifications

| | |
|-----------------------------|------------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 18 GHz |
| Return Loss/VSWR | 14dB to 18 GHz |
| Phase Stability vs. Flexure | N/A |
| Amplitude Stability | N/A |
| Shielding Effectiveness | <-100dB @ 1GHz |
| Phase Matching | On request |
| Signal Delay | On request |
| Power Handling | 89watt @ 3GHz at sea level,VSWR1.0 |

Environmental Data

| | |
|-------------------|-----------------|
| Temperature Range | -40°C to +165°C |
| 2011/65/EU(RoHS) | Compliant |

Cable Specifications

| | |
|----------------------------|----------------------|
| Center Conductor | Silver plated copper |
| Dielectric | Solid extruded PTFE |
| Jacket | EPI205,Blue |
| Capacitance(pF/m) | 94 |
| Velocity of propagation(%) | 70 |
| Min. bending radius(mm) | 6 |
| Jacket Diameter(mm) | 2.54 |

Part Number List

| Part Number | Length [mm] | Insertion Loss ≤(dB) | | | |
|---------------------|-------------|----------------------|------|-------|-------|
| | | 3GHz | 5GHz | 10GHz | 18GHz |
| GA712-SMYFGPWF-1000 | 1000±10 | 1.33 | 1.92 | 2.71 | 3.65 |
| GA712-SMYFGPWF-500 | 500±5 | 0.785 | 0.95 | 1.42 | 2.15 |
| GA712-SMYFGPWF-300 | 300±3 | 0.53 | 0.65 | 0.96 | 1.49 |
| GA712-SMYFGPWF-200 | 200±3 | 0.404 | 0.51 | 0.74 | 1.16 |
| GA712-SMYFGPWF-100 | 100±3 | 0.27 | 0.35 | 0.52 | 0.83 |

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