



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

| Configuration | |
|----------------------------------|-------------------------------------|
| Connector 1 Type | GPPO Female |
| Connector 1 Body Style | Straight |
| Body Material and Plating | CuBe Gold Plated |
| Connector 1 Mount Method | None |
| Connector 2 Type | GPPO Female |
| Connector 2 Body Style | Straight |
| Body Material and Plating | CuBe Gold Plated |
| Connector 2 Mount Method | None |
| Cable Type | GUT-047-Form-FEP |
| Electrical Specifications | |
| Impedance | 50 Ω |
| Frequency | DC to 40 GHz |
| Return Loss/VSWR | 10 dB to 40 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 | 10watt @ 18GHz 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 copperweld |
| Dielectric | Solid PTFE |
| Jacket | FEP |
| Capacitance(pF/m) | 95.1 |
| Velocity of propagation(%) | 70 |
| Min. bending radius(mm) | 7.63 |
| Jacket Diameter(mm) | 1.6 |

Part Number List

| Part Number | Length [mm] | Insertion Loss \leq (dB) | | | |
|---------------------|---------------|----------------------------|-------|-------|------|
| | | 3GHz | 10GHz | 18GHz | 40G |
| GA701-GPPFGPPF-1000 | 1000 \pm 10 | 1.33 | 4.03 | 5.84 | 9.92 |
| GA701-GPPFGPPF-500 | 500 \pm 5 | 0.785 | 2.17 | 3.12 | 5.82 |
| GA701-GPPFGPPF-300 | 300 \pm 5 | 0.53 | 1.42 | 2.03 | 3.56 |
| GA701-GPPFGPPF-200 | 200 \pm 5 | 0.404 | 1.05 | 1.49 | 2.44 |
| GA701-GPPFGPPF-100 | 100 \pm 5 | 0.27 | 0.67 | 0.94 | 1.62 |

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