



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

Configuration

| | |
|---------------------------|-----------------------------|
| Connector 1 Type | 2.92mm Female |
| Connector 1 Body Style | Straight |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 1 Mount Method | None |
| Connector 2 Type | 1.85mm Female |
| Connector 2 Body Style | Straight |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 2 Mount Method | None |
| Cable Type | 3506 Series |

Electrical Specifications

| | |
|-----------------------------|------------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 40 GHz |
| Return Loss/VSWR | 1.40 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 | 90watt @ 2GHz at sea level,VSWR1.0 |

Environmental Data

| | |
|-------------------|-----------------|
| Temperature Range | -40°C to +165°C |
| 2002/95/EC(RoHS) | Compliant |

Cable Specifications

| | |
|----------------------------|----------------------|
| Center Conductor | Silver plated copper |
| Dielectric | ePTFE |
| Jacket | FEP |
| Capacitance(pF/m) | 94 |
| Velocity of propagation(%) | 82 |
| Min. bending radius(mm) | 6 |
| Jacket Diameter(mm) | 2.2 |

Part Number List

| Part Number | Length [mm] | Insertion Loss ≤(dB) | | | |
|--------------------|-------------|----------------------|-------|-------|-------|
| | | 5GHz | 10GHz | 20GHz | 40GHz |
| GAU2-292F185F-1000 | 1000±10 | 1.7 | 2.5 | 3.62 | 5.32 |
| GAU2-292F185F-800 | 800±8 | 1.4 | 2.06 | 3.04 | 4.42 |
| GAU2-292F185F-600 | 600±6 | 1.09 | 1.64 | 2.36 | 3.46 |
| GAU2-292F185F-500 | 500±5 | 0.95 | 1.38 | 2.05 | 2.98 |
| GAU2-292F185F-300 | 300±5 | 0.65 | 0.96 | 1.39 | 2.06 |
| GAU2-292F185F-260 | 260±5 | 0.59 | 0.87 | 1.25 | 1.92 |
| GAU2-292F185F-200 | 200±5 | 0.51 | 0.74 | 1.12 | 1.54 |
| GAU2-292F185F-100 | 100±5 | 0.35 | 0.52 | 0.73 | 1.12 |

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