



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

Configuration

| | |
|---------------------------|-----------------------------|
| Connector 1 Type | 2.92mm Male |
| Connector 1 Body Style | Straight |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 1 Mount Method | None |
| Connector 2 Type | 2.4mm Male |
| Connector 2 Body Style | Straight |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 2 Mount Method | None |
| Cable Type | 147A Series |

Electrical Specifications

| | |
|-----------------------------|-------------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 40 GHz |
| Return Loss/VSWR | 1.44 to 40 GHz |
| Phase Stability vs. Flexure | 5°@ 18GHz |
| Amplitude Stability | N/A |
| Shielding Effectiveness | <-100dB @ 1GHz |
| Phase Matching | On Request |
| Signal Delay | On Request |
| Power Handling | 220Watt @ 5GHz at Sea Level,VSWR1.0 |

Environmental Data

| | |
|-------------------|----------------|
| Temperature Range | -40°C to +80°C |
| RoHS | Compliant |

Cable Specifications

| | |
|----------------------------|----------------------|
| Center Conductor | Silver plated copper |
| Dielectric | Low Density PTFE |
| Jacket | FEP |
| Capacitance(pF/m) | 86 |
| Velocity of propagation(%) | 77 |
| Min. bending radius(mm) | 6.35 |
| Jacket Diameter(mm) | 3.73 |

Armor Specifications

| | |
|-------------------------|--|
| Armor Type | Stainless steel wire covered by Tin plated copper wire and nomex braid |
| Min. bending radius(mm) | 25.4 |
| Diameter(mm) | 7.5 |

Part Number List

| Part Number | Length [mm] | Insertion Loss ≤(dB) | | | |
|----------------------|-------------|----------------------|-------|---------|-------|
| | | 10GHz | 18GHz | 26.5GHz | 40GHz |
| GAU1-292M24M-20000A3 | 20000±100 | 25.98 | 36.06 | 44.96 | 57.18 |
| GAU1-292M24M-10000A3 | 10000±100 | 13.2 | 18.3 | 22.8 | 28.9 |
| GAU1-292M24M-8000A3 | 8000±30 | 10.56 | 14.65 | 18.3 | 23.2 |
| GAU1-292M24M-3000A3 | 3000±30 | 4.14 | 5.75 | 7.14 | 9.06 |
| GAU1-292M24M-2500A3 | 2500±20 | 3.49 | 4.85 | 6.03 | 7.65 |
| GAU1-292M24M-2000A3 | 2000±20 | 2.85 | 3.95 | 4.92 | 6.23 |
| GAU1-292M24M-1500A3 | 1500±15 | 2.22 | 3.06 | 3.81 | 4.82 |
| GAU1-292M24M-1200A3 | 1200±12 | 1.83 | 2.54 | 3.14 | 3.97 |
| GAU1-292M24M-1000A3 | 1000±10 | 1.57 | 2.17 | 2.69 | 3.41 |
| GAU1-292M24M-600A3 | 600±10 | 1.06 | 1.46 | 1.82 | 2.27 |
| GAU1-292M24M-500A3 | 500±10 | 0.93 | 1.28 | 1.58 | 1.99 |

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