



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

Configuration

| | |
|---------------------------|-----------------------------|
| Connector 1 Type | 2.4mm Male |
| Connector 1 Body Style | Straight |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 1 Mount Method | None |
| Connector 2 Type | 2.4mm Female |
| Connector 2 Body Style | Straight |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 2 Mount Method | None |
| Cable Type | 3500 Series |

Electrical Specifications

| | |
|-----------------------------|--------------------|
| Impedance | 50 Ω |
| Frequency | DC to 50 GHz |
| Return Loss/VSWR | 1.40 to 50 GHz |
| Phase Stability vs. Flexure | $\pm 5.2^\circ$ |
| Amplitude Stability | $\pm 0.1\text{dB}$ |
| Shielding Effectiveness | >90dB @ 1GHz |
| Phase Matching | On request |
| Signal Delay | On request |

Environmental Data

| | |
|-------------------|-----------------|
| Temperature Range | -40°C to +125°C |
| 2002/95/EC(RoHS) | Compliant |

Cable Specifications

| | |
|----------------------------|----------------------|
| Center Conductor | Silver plated copper |
| Dielectric | ePTFE |
| Jacket | FEP |
| Velocity of propagation(%) | 83 |
| Min. bending radius(mm) | 12.5 |
| Jacket Diameter(mm) | 3.10±0.13 |

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 | 50GHz |
| GAU9-24M24F-8000A3 | 8000±30 | 13.1 | 18.1 | 22.4 | 29.3 |
| GAU9-24M24F-3000A3 | 3000±30 | 5.08 | 7.04 | 8.68 | 11.3 |
| GAU9-24M24F-2000A3 | 2000±20 | 3.48 | 4.79 | 5.94 | 7.75 |
| GAU9-24M24F-1500A3 | 1500±15 | 2.68 | 3.69 | 4.57 | 5.95 |
| GAU9-24M24F-1200A3 | 1200±12 | 2.21 | 3.03 | 3.75 | 4.92 |
| GAU9-24M24F-1000A3 | 1000±10 | 1.89 | 2.59 | 3.2 | 4.25 |
| GAU9-24M24F-600A3 | 600±10 | 1.25 | 1.71 | 2.12 | 2.76 |
| GAU9-24M24F-500A3 | 500±10 | 1.08 | 1.48 | 1.83 | 2.41 |
| GAU9-24M24F-400A3 | 400±10 | 0.92 | 1.26 | 1.56 | 2.05 |
| GAU9-24M24F-200A3 | 200±10 | 0.61 | 0.82 | 0.97 | 1.32 |

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.