



\* 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 $\Omega$        |
| 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 | 40GHz |
| 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  |

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