



\* 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          | 2.4mm Female                |
| 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 $\Omega$                         |
| 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 +165°C |
| 2002/95/EC(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                 |

**Part Number List**

| Part Number        | Length [mm] | Insertion Loss ≤(dB) |       |         |       |
|--------------------|-------------|----------------------|-------|---------|-------|
|                    |             | 10GHz                | 18GHz | 26.5GHz | 40GHz |
| GAU1-292F24F-20000 | 20000±100   | 25.98                | 36.06 | 44.96   | 57.18 |
| GAU1-292F24F-10000 | 10000±100   | 13.2                 | 18.3  | 22.8    | 28.9  |
| GAU1-292F24F-8000  | 8000±30     | 10.56                | 14.65 | 18.3    | 23.2  |
| GAU1-292F24F-3000  | 3000±30     | 4.14                 | 5.75  | 7.14    | 9.06  |
| GAU1-292F24F-2500  | 2500±20     | 3.49                 | 4.85  | 6.03    | 7.65  |
| GAU1-292F24F-2000  | 2000±20     | 2.85                 | 3.95  | 4.92    | 6.23  |
| GAU1-292F24F-1500  | 1500±15     | 2.22                 | 3.06  | 3.81    | 4.82  |
| GAU1-292F24F-1200  | 1200±12     | 1.83                 | 2.54  | 3.14    | 3.97  |
| GAU1-292F24F-1000  | 1000±10     | 1.57                 | 2.17  | 2.69    | 3.41  |
| GAU1-292F24F-600   | 600±10      | 1.06                 | 1.46  | 1.82    | 2.27  |
| GAU1-292F24F-500   | 500±10      | 0.93                 | 1.28  | 1.58    | 1.99  |

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