



\* 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 Stainless Steel |
| Connector 1 Mount Method  | None                       |
| Connector 2 Type          | 2.92mm Male                |
| Connector 2 Body Style    | Straight                   |
| Body Material and Plating | Passivated Stainless Steel |
| Connector 2 Mount Method  | None                       |
| Cable Type                | 210A Series                |

## Electrical Specifications

|                             |                                      |
|-----------------------------|--------------------------------------|
| Impedance                   | 50 $\Omega$                          |
| Frequency                   | DC to 26.5 GHz                       |
| Return Loss/VSWR            | 1.35 to 26.5GHz                      |
| Phase Stability vs. Flexure | 3°@ 10GHz, 5°@ 18GHz                 |
| Amplitude Stability         | N/A                                  |
| Shielding Effectiveness     | <-100dB @ 1GHz                       |
| Phase Matching              | On request                           |
| Signal Delay                | On request                           |
| Power Handling              | 200watt @ 20GHz 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)    | 9.65                 |
| Jacket Diameter(mm)        | 5.33±0.13            |

### Armor Specifications

|                         |                                  |
|-------------------------|----------------------------------|
| Armor Type              | Stainless Steel Interlocked Hose |
| Min. bending radius(mm) | 50.8                             |
| Diameter(mm)            | 9.5                              |

### Part Number List

| Part Number           | Length<br>[mm] | Insertion Loss ≤(dB) |       |       |         |
|-----------------------|----------------|----------------------|-------|-------|---------|
|                       |                | 6GHz                 | 10GHz | 18GHz | 26.5GHz |
| GAU7-292M292M-12000A2 | 12000±30       | 8.21                 | 10.95 | 15.41 | 19.42   |
| GAU7-292M292M-10000A2 | 10000±30       | 6.88                 | 9.17  | 12.89 | 16.26   |
| GAU7-292M292M-8000A2  | 8000±30        | 5.55                 | 7.41  | 10.4  | 13.11   |
| GAU7-292M292M-6000A2  | 6000±30        | 4.22                 | 5.62  | 7.89  | 9.95    |
| GAU7-292M292M-3000A2  | 3000±30        | 2.22                 | 2.95  | 4.14  | 5.21    |
| GAU7-292M292M-2000A2  | 2000±20        | 1.56                 | 2.06  | 2.89  | 3.63    |
| GAU7-292M292M-1500A2  | 1500±15        | 1.22                 | 1.62  | 2.26  | 2.84    |
| GAU7-292M292M-1200A2  | 1200±12        | 1.02                 | 1.35  | 1.89  | 2.36    |
| GAU7-292M292M-1000A2  | 1000±10        | 0.89                 | 1.18  | 1.64  | 2.05    |
| GAU7-292M292M-800A2   | 800±10         | 0.75                 | 0.99  | 1.38  | 1.73    |
| GAU7-292M292M-600A2   | 600±10         | 0.62                 | 0.82  | 1.14  | 1.42    |
| GAU7-292M292M-500A2   | 500±10         | 0.56                 | 0.73  | 1.01  | 1.25    |

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