



\* 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                | GT3657                     |

## Electrical Specifications

|                             |               |
|-----------------------------|---------------|
| Impedance                   | 50 Ω          |
| Frequency                   | DC to 40 GHz  |
| Return Loss/VSWR            | 1.35          |
| Phase Stability vs. Flexure | N/A           |
| Amplitude Stability         | N/A           |
| Shielding Effectiveness     | <-90dB @ 1GHz |
| Phase Matching              | On request    |
| Signal Delay                | On request    |

## Environmental Data

|                   |                 |
|-------------------|-----------------|
| Temperature Range | -40°C to +125°C |
| 2011/65/EU(RoHS)  | Compliant       |

**Cable Specifications**

|                            |                      |
|----------------------------|----------------------|
| Center Conductor           | Silver plated copper |
| Dielectric                 | ePTFE                |
| Outer Conductor            | Gray PFA             |
| Velocity of propagation(%) | 75                   |
| Min. bending radius(mm)    | 8                    |
| Jacket Diameter(mm)        | 1.50                 |

**Part Number List**

| Part Number          | Length [mm] | Insertion Loss ≤(dB) |       |       |       |
|----------------------|-------------|----------------------|-------|-------|-------|
|                      |             | 3GHz                 | 6GHz  | 18GHz | 40GHz |
| GAU12V-292M292M-1000 | 1000±10     | 2.159                | 3.074 | 5.418 | 8.237 |
| GAU12V-292M292M-500  | 500±5       | 1.166                | 1.660 | 2.921 | 4.435 |
| GAU12V-292M292M-300  | 300±3       | 0.769                | 1.094 | 1.923 | 2.914 |
| GAU12V-292M292M-200  | 200±3       | 0.571                | 0.811 | 1.443 | 2.154 |
| GAU12V-292M292M-100  | 100±3       | 0.372                | 0.528 | 0.924 | 1.393 |

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