



\* 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 Staindless Steel |
| Connector 1 Mount Method  | None                        |
| Connector 2 Type          | 2.92mm Female               |
| Connector 2 Body Style    | Straight                    |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 2 Mount Method  | 4 Hole Flange               |
| Cable Type                | GUT-085(TIN/Copper)         |

## Electrical Specifications

|                             |                                    |
|-----------------------------|------------------------------------|
| Impedance                   | 50 $\Omega$                        |
| Frequency                   | DC to 40 GHz                       |
| Return Loss/VSWR            | 1.44 to 40 GHz                     |
| Phase Stability vs. Flexure | N/A                                |
| Amplitude Stability         | N/A                                |
| Shielding Effectiveness     | <-100dB @ 1GHz                     |
| Phase Matching              | On request                         |
| Signal Delay                | On request                         |
| Power Handling              | 89watt @ 3GHz at sea level,VSWR1.0 |

## Environmental Data

|                   |                 |
|-------------------|-----------------|
| Temperature Range | -40°C to +165°C |
| 2011/65/EU(RoHS)  | Compliant       |

**Cable Specifications**

|                            |                      |
|----------------------------|----------------------|
| Center Conductor           | Silver plated copper |
| Dielectric                 | Solid extruded PTFE  |
| Outer Conductor            | TIN/Copper           |
| Capacitance(pF/m)          | 94                   |
| Velocity of propagation(%) | 70                   |
| Min. bending radius(mm)    | 6                    |
| Jacket Diameter(mm)        | 2.2                  |

**Part Number List**

| Part Number           | Length [mm] | Insertion Loss ≤(dB) |       |       |       |
|-----------------------|-------------|----------------------|-------|-------|-------|
|                       |             | 3GHz                 | 10GHz | 18GHz | 40GHz |
| GA710X-292M292FF-1000 | 1000±10     | 1.33                 | 2.71  | 3.65  | 6.92  |
| GA710X-292M292FF-500  | 500±5       | 0.785                | 1.42  | 2.15  | 3.82  |
| GA710X-292M292FF-300  | 300±5       | 0.53                 | 0.96  | 1.49  | 2.56  |
| GA710X-292M292FF-200  | 200±5       | 0.404                | 0.74  | 1.16  | 1.94  |
| GA710X-292M292FF-100  | 100±5       | 0.27                 | 0.52  | 0.83  | 1.32  |

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