



\* Label and Shrinking tube design depend on customer's request.

## Configuration

|                           |                            |
|---------------------------|----------------------------|
| Connector 1 Type          | SMA Male                   |
| Connector 1 Body Style    | Straight                   |
| Body Material and Plating | Passivated Stainless Steel |
| Connector 1 Mount Method  | None                       |
| Connector 2 Type          | 2.92mm Female              |
| Connector 2 Body Style    | Straight                   |
| Body Material and Plating | Passivated Stainless Steel |
| Connector 2 Mount Method  | None                       |
| Cable Type                | GUT-085                    |

## Electrical Specifications

|                             |                                     |
|-----------------------------|-------------------------------------|
| Impedance                   | 50 $\Omega$                         |
| Frequency                   | DC to 18 GHz                        |
| Return Loss/VSWR            | 1.25 to 18 GHz                      |
| Phase Stability vs. Flexure | N/A                                 |
| Amplitude Stability         | N/A                                 |
| Shielding Effectiveness     | <-120dB @ 1GHz                      |
| Phase Matching              | On Request                          |
| Signal Delay                | On Request                          |
| Power Handling              | 133Watt @ 1GHz at Sea Level,VSWR1.0 |

## Environmental Data

|                   |                 |
|-------------------|-----------------|
| Temperature Range | -40°C to +125°C |
| 2002/95/EC(RoHS)  | Compliant       |

## Cable Specifications

|                            |                          |
|----------------------------|--------------------------|
| Center Conductor           | Silver plated copperweld |
| Dielectric                 | Solid PTFE               |
| Outer Conductor            | Tin Plated Copper        |
| Capacitance(pF/m)          | 95.1                     |
| Velocity of propagation(%) | 70                       |
| Min. bending radius(mm)    | 7.63                     |
| Jacket Diameter(mm)        | 2.2                      |

## Part Number List

| Part Number       | Length [mm] | Insertion Loss ≤(dB) |      |       |       |
|-------------------|-------------|----------------------|------|-------|-------|
|                   |             | 1GHz                 | 5GHz | 10GHz | 18GHz |
| GA710-SMMSMM-1000 | 1000±15     | 0.74                 | 1.65 | 2.42  | 3.4   |
| GA710-SMMSMM-500  | 500±10      | 0.42                 | 0.91 | 1.3   | 1.9   |
| GA710-SMMSMM-300  | 300±10      | 0.29                 | 0.6  | 0.86  | 1.3   |
| GA710-SMMSMM-200  | 200±10      | 0.23                 | 0.45 | 0.64  | 1.0   |
| GA710-SMMSMM-100  | 100±10      | 0.16                 | 0.3  | 0.42  | 0.7   |

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