



\* 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 Staindless Steel |
| Connector 1 Mount Method  | None                        |
| Connector 2 Type          | SMA Male                    |
| Connector 2 Body Style    | Straight                    |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 2 Mount Method  | None                        |
| Cable Type                | GUT-141(Copper)             |

## 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     | <-100dB @ 1GHz                      |
| Phase Matching              | On Request                          |
| Signal Delay                | On Request                          |
| Power Handling              | 182Watt @ 5GHz at Sea Level,VSWR1.0 |

## Environmental Data

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

**Cable Specifications**

|                            |                          |
|----------------------------|--------------------------|
| Center Conductor           | Silver plated copperweld |
| Dielectric                 | Solid PTFE               |
| Jacket                     | Copper                   |
| Capacitance(pF/m)          | 95.1                     |
| Velocity of propagation(%) | 70                       |
| Min. bending radius(mm)    | 10                       |
| Jacket Diameter(mm)        | 3.58±0.05                |

**Part Number List**

| Part Number       | Length [mm] | Insertion Loss ≤(dB) |       |       |       |
|-------------------|-------------|----------------------|-------|-------|-------|
|                   |             | 1GHz                 | 5GHz  | 10GHz | 18GHz |
| GA720-SMMSMM-1000 | 1000±10     | 0.48                 | 1.11  | 1.67  | 2.35  |
| GA720-SMMSMM-800  | 800±8       | 0.41                 | 0.93  | 1.39  | 1.96  |
| GA720-SMMSMM-600  | 600±6       | 0.33                 | 0.75  | 1.13  | 1.58  |
| GA720-SMMSMM-500  | 500±5       | 0.29                 | 0.655 | 0.985 | 1.38  |
| GA720-SMMSMM-400  | 400±5       | 0.255                | 0.56  | 0.86  | 1.19  |
| GA720-SMMSMM-300  | 300±5       | 0.22                 | 0.47  | 0.72  | 0.985 |
| GA720-SMMSMM-260  | 260±5       | 0.198                | 0.436 | 0.656 | 0.91  |
| GA720-SMMSMM-200  | 200±5       | 0.176                | 0.382 | 0.574 | 0.79  |
| GA720-SMMSMM-100  | 100±5       | 0.138                | 0.291 | 0.437 | 0.59  |

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