



\* 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 | Brass Gold Plated |
| Connector 1 Mount Method  | None              |
| Connector 2 Type          | GPO Female        |
| Connector 2 Body Style    | Straight          |
| Body Material and Plating | CuBe Gold Plated  |
| Connector 2 Mount Method  | None              |
| Cable Type                | GUT-047-Rorm      |

## Electrical Specifications

|                             |                                    |
|-----------------------------|------------------------------------|
| Impedance                   | 50 $\Omega$                        |
| Frequency                   | DC to 18 GHz                       |
| Return Loss/VSWR            | 10 dB                              |
| Phase Stability vs. Flexure | N/A                                |
| Amplitude Stability         | N/A                                |
| Shielding Effectiveness     | <-100dB @ 1GHz                     |
| Phase Matching              | On request                         |
| Signal Delay                | On request                         |
| Power Handling              | 47watt @ 1GHz 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 copperweld |
| Dielectric                 | Solid PTFE               |
| Jacket                     | None                     |
| Capacitance(pF/m)          | 95.1                     |
| Velocity of propagation(%) | 70                       |
| Min. bending radius(mm)    | 7.63                     |
| Jacket Diameter(mm)        | 1.19±0.05                |

### Part Number List

| Part Number       | Length [mm] | Insertion Loss ≤(dB) |      |       |       |
|-------------------|-------------|----------------------|------|-------|-------|
|                   |             | 3GHz                 | 5GHz | 10GHz | 18GHz |
| GA701-SMMGPF-1000 | 1000±10     | 2.11                 | 2.84 | 4.03  | 5.84  |
| GA701-SMMGPF-500  | 500±5       | 1.16                 | 1.55 | 2.17  | 3.12  |
| GA701-SMMGPF-300  | 300±5       | 0.77                 | 1.03 | 1.42  | 2.03  |
| GA701-SMMGPF-200  | 200±5       | 0.58                 | 0.77 | 1.05  | 1.49  |
| GA701-SMMGPF-100  | 100±5       | 0.39                 | 0.51 | 0.67  | 0.94  |

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