



\* 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(SMP) Male     |
| Connector 2 Body Style    | Straight          |
| Body Material and Plating | Brass Gold Plated |
| Connector 2 Mount Method  | None              |
| Cable Type                | 086 Series        |

## Electrical Specifications

|                             |                                    |
|-----------------------------|------------------------------------|
| Impedance                   | 50 $\Omega$                        |
| Frequency                   | DC to 26.5 GHz                     |
| Return Loss/VSWR            | 1.35 to 10 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 |
| 2002/95/EC(RoHS)  | Compliant       |

**Cable Specifications**

|                            |                      |
|----------------------------|----------------------|
| Center Conductor           | Silver plated copper |
| Dielectric                 | Solid extruded PTFE  |
| Jacket                     | None                 |
| Capacitance(pF/m)          | 94                   |
| Velocity of propagation(%) | 70                   |
| Min. bending radius(mm)    | 6                    |
| Jacket Diameter(mm)        | 2.19                 |

## Part Number List

| Part Number       | Length [mm] | Insertion Loss ≤(dB) |      |       |       |
|-------------------|-------------|----------------------|------|-------|-------|
|                   |             | 3GHz                 | 5GHz | 10GHz | 18GHz |
| GA711-SMMGPM-1000 | 1000±15     | 1.33                 | 1.92 | 2.71  | 3.65  |
| GA711-SMMGPM-500  | 500±10      | 0.785                | 0.95 | 1.42  | 2.15  |
| GA711-SMMGPM-300  | 300±10      | 0.53                 | 0.65 | 0.96  | 1.49  |
| GA711-SMMGPM-200  | 200±10      | 0.404                | 0.51 | 0.74  | 1.16  |
| GA711-SMMGPM-100  | 100±10      | 0.27                 | 0.35 | 0.52  | 0.83  |

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