



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

### Configuration

|                           |                             |
|---------------------------|-----------------------------|
| Connector 1 Type          | TNC Male                    |
| Connector 1 Body Style    | Straight                    |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 1 Mount Method  | None                        |
| Connector 2 Type          | TNC Male                    |
| Connector 2 Body Style    | Straight                    |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 2 Mount Method  | None                        |
| Cable Type                | 210P Series                 |

### Electrical Specifications

|                             |                                     |
|-----------------------------|-------------------------------------|
| Impedance                   | 50 $\Omega$                         |
| Frequency                   | DC to 18 GHz                        |
| Return Loss/VSWR            | 1.35 to 18 GHz                      |
| Phase Stability vs. Flexure | 2° @ 18GHz                          |
| Amplitude Stability         | N/A                                 |
| Shielding Effectiveness     | <-100dB @ 1GHz                      |
| Phase Matching              | On request                          |
| Signal Delay                | On request                          |
| Power Handling              | 380watt @ 5GHz at sea level,VSWR1.0 |

### Environmental Data

|                   |                |
|-------------------|----------------|
| Temperature Range | -40°C to +80°C |
| 2002/95/EC(RoHS)  | Compliant      |

**Cable Specifications**

|                            |                      |
|----------------------------|----------------------|
| Center Conductor           | Silver plated copper |
| Dielectric                 | Low Density PTFE     |
| Jacket                     | Polyurethane         |
| Capacitance(pF/m)          | 86                   |
| Velocity of propagation(%) | 77                   |
| Min. bending radius(mm)    | 9.65                 |
| Jacket Diameter(mm)        | 5.5±0.13             |

**Armor Specifications**

|                         |   |
|-------------------------|---|
| Armor Type              | Polyurethane Jacket Over Braid Stainless Steel Spiral |
| Min. bending radius(mm) | 25.4  |
| Diameter(mm)            | 10.8  |

**Part Number List**

| Part Number           | Length [mm] | Insertion Loss ≤(dB) |      |       |       |
|-----------------------|-------------|----------------------|------|-------|-------|
|                       |             | 3GHz                 | 6GHz | 10GHz | 18GHz |
| GAU6-TNCMTNCM-12000A1 | 12000±30    | 5.61                 | 8.21 | 10.95 | 15.41 |
| GAU6-TNCMTNCM-10000A1 | 10000±30    | 4.7                  | 6.88 | 9.17  | 12.89 |
| GAU6-TNCMTNCM-8000A1  | 8000±30     | 3.79                 | 5.55 | 7.41  | 10.4  |
| GAU6-TNCMTNCM-6000A1  | 6000±30     | 2.88                 | 4.22 | 5.62  | 7.89  |
| GAU6-TNCMTNCM-3000A1  | 3000±30     | 1.52                 | 2.22 | 2.95  | 4.14  |
| GAU6-TNCMTNCM-2000A1  | 2000±20     | 1.07                 | 1.56 | 2.06  | 2.89  |
| GAU6-TNCMTNCM-1500A1  | 1500±15     | 0.84                 | 1.22 | 1.62  | 2.26  |
| GAU6-TNCMTNCM-1200A1  | 1200±12     | 0.71                 | 1.02 | 1.35  | 1.89  |
| GAU6-TNCMTNCM-1000A1  | 1000±10     | 0.61                 | 0.89 | 1.18  | 1.64  |
| GAU6-TNCMTNCM-600A1   | 600±10      | 0.52                 | 0.75 | 0.995 | 1.38  |
| GAU6-TNCMTNCM-500A1   | 500±10      | 0.43                 | 0.62 | 0.82  | 1.14  |

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