



\* 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 | Brass Nickel Plated |
| Connector 1 Mount Method  | None                |
| Connector 2 Type          | SMA Male            |
| Connector 2 Body Style    | Straight            |
| Body Material and Plating | Brass Nickel Plated |
| Connector 2 Mount Method  | None                |
| Cable Type                | LMR400              |

## Electrical Specifications

|                             |                                       |
|-----------------------------|---------------------------------------|
| Impedance                   | 50 $\Omega$                           |
| Frequency                   | DC to 3 GHz                           |
| Return Loss/VSWR            | 1.3 to 3 GHz                          |
| Phase Stability vs. Flexure | N/A                                   |
| Amplitude Stability         | N/A                                   |
| Shielding Effectiveness     | <-90dB @ 1GHz                         |
| Phase Matching              | On request                            |
| Signal Delay                | On request                            |
| Power Handling              | 330watt @ 2.5GHz at sea level,VSWR1.0 |

## Environmental Data

|                   |                |
|-------------------|----------------|
| Temperature Range | -40°C to +85°C |
| 2002/95/EC(RoHS)  | Compliant      |

### Cable Specifications

|                            |                    |
|----------------------------|--------------------|
| Center Conductor           | Bare Copper, solid |
| Dielectric                 | PE                 |
| Jacket                     | PE                 |
| Capacitance(pF/m)          | 78.4               |
| Velocity of propagation(%) | 85                 |
| Min. bending radius(mm)    | 25.4               |
| Jacket Diameter(mm)        | 10.29              |

### Part Number List

| Part Number        | Length [mm] | Insertion Loss ≤(dB) |      |      |      |
|--------------------|-------------|----------------------|------|------|------|
|                    |             | 0.5GHz               | 1GHz | 2GHz | 3GHz |
| GAN9-TNCMSMM-40000 | 40000±100   | 1.82                 | 5.78 | 7.94 | 10.4 |
| GAN9-TNCMSMM-35000 | 35000±100   | 3.52                 | 4.98 | 7.22 | 8.97 |
| GAN9-TNCMSMM-20000 | 20000±500   | 2.12                 | 2.95 | 4.12 | 5.33 |
| GAN9-TNCMSMM-10000 | 10000±30    | 0.98                 | 1.45 | 2.08 | 2.73 |
| GAN9-TNCMSMM-3000  | 3000±30     | 0.34                 | 0.52 | 0.69 | 0.92 |
| GAN9-TNCMSMM-2500  | 2500±25     | 0.29                 | 0.45 | 0.59 | 0.79 |
| GAN9-TNCMSMM-2000  | 2000±20     | 0.25                 | 0.38 | 0.48 | 0.66 |

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