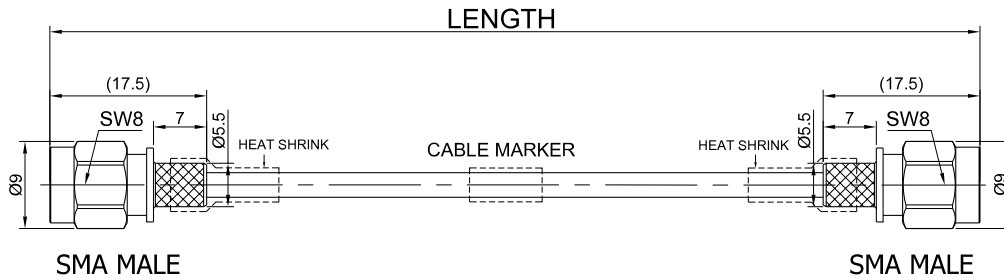


P/N: GAN8-SMMSMM-XXX

SMA Male to SMA Male Cable Assembly | LMR240 Flexible Coax Cable With PE Jacket | DC - 6GHz



Dimensions are in mm

### Connectors Configuration

|                           | Connector 1 | Connector 2 |
|---------------------------|-------------|-------------|
| Connector Series          | SMA         | SMA         |
| Connector Polarity        | Standard    | Standard    |
| Connector Gender          | Male        | Male        |
| Connector Impedance (Ohm) | 50          | 50          |
| Connector Body Style      | Straight    | Straight    |
| Connector Body Material   | Brass       | Brass       |
| Connector Body Plating    | Nickel      | Nickel      |

### Cable Configuration

|                          |                           |
|--------------------------|---------------------------|
| Cable Type               | LMR240                    |
| Cable Impedance (Ohm)    | 50                        |
| Inner Conductor Material | Copper-clad aluminum wire |
| Dielectric Material      | Foam PE                   |
| Number of Shields        | 2                         |
| Shield Layer 1 Material  | Aluminum Tape             |
| Shield Layer 2 Material  | Tinned copper Braid       |
| Jacket Material          | PE                        |
| Cable Diameter (mm)      | 6.1                       |
| Cable Color              | Black                     |
| Minimum Bend Radius (mm) | 19.1                      |
| Capacitance (pF/m)       | 79                        |
| Velocity of Propagation  | 83%                       |
| Shielding Effectiveness  | > -90dB @ 1GHz            |

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SMA Male to SMA Male Cable Assembly | LMR240 Flexible Coax Cable With PE Jacket | DC - 6GHz

## Electrical Data

| Electrical Specifications for Different Length |                       |           |                    |                       |
|--|-----------------------|-----------|--------------------|-----------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 500  | ±5                    | DC - 6GHz | 1.35 to 6GHz       | 0.60 to 6GHz          |
| 800  | ±10                   |           |                    | 0.86 to 6GHz          |
| 1000   | ±10                   |           |                    | 1.0 to 6GHz           |
| 1500   | ±15                   |           |                    | 1.25 to 6GHz          |
| 2000   | ±20                   |           |                    | 1.60 to 6GHz          |
| 3000   | ±30                   |           |                    | 2.30 to 6GHz          |
| 5000   | ±50                   |           |                    | 3.80 to 6GHz          |

## Environmental Specifications

RoHS Compliant

Yes

Operating Temperature Range

-40 °C to +80 °C

MIL/STD

N/A