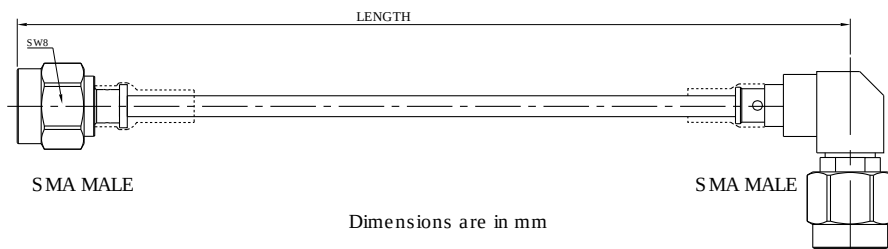


P/N: GA712-SMMSMWM-XXX-18G

## SMA Male to SMA Right Angle Male Cable Assembly | .086" Semi-Flexible Coax Cable with FEP Jacket | DC - 18GHz

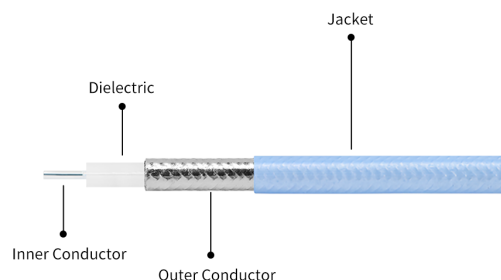


### Connectors Configuration

|                           | Connector 1     | Connector 2     |
|---------------------------|-----------------|-----------------|
| Connector Series          | SMA             | SMA             |
| Connector Polarity        | Standard        | Standard        |
| Connector Gender          | Male            | Male            |
| Connector Impedance (Ohm) | 50              | 50              |
| Connector Mount Method    |                 | None            |
| Connector Body Style      | Straight        | Right Angle     |
| Connector Body Material   | Stainless Steel | Stainless Steel |
| Connector Body Plating    | Passivated      | Passivated      |

### Cable Configuration

|                          |                                           |
|--------------------------|-------------------------------------------|
| Cable Type               | .086" Semi-Flexible cable                 |
| Cable Impedance (Ohm)    | 50                                        |
| Inner Conductor Material | Silver Plated Copper Covered Steel (SCCS) |
| Dielectric Material      | Solid extruded PTFE                       |
| Number of Shields        | 1                                         |
| Shield Layer 1 Material  | Tin Plated Copper                         |
| Jacket Material          | FEP                                       |
| Cable Diameter (mm)      | 2.54                                      |
| Cable Color              | Blue                                      |
| Minimum Bend Radius (mm) | 6mm                                       |
| Capacitance (pF/m)       | 94                                        |
| Velocity of Propagation  | 71%                                       |
| Shielding Effectiveness  | > -110dB @ 1GHz                           |



P/N: GA712-SMMSMWM-XXX-18G

SMA Male to SMA Right Angle Male Cable Assembly | 086" Semi-Flexible Coax Cable with FEP Jacket | DC - 18GHz

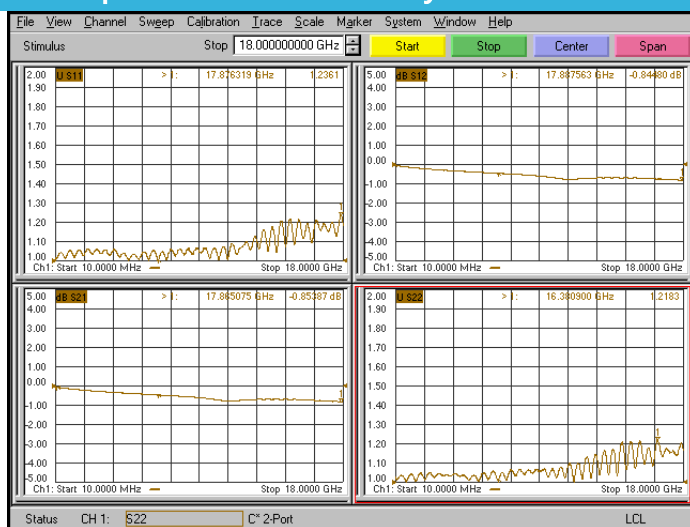
## Electrical Data

| Electrical Specifications for Different Length |                       |            |                    |                            |
|------------------------------------------------|-----------------------|------------|--------------------|----------------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency  | VSWR / Return Loss | Insertion Loss $\leq$ (dB) |
| 100                                            | $\pm 3$               | DC - 18GHz | 1.35 to 18GHz      | 0.83 to 18GHz              |
| 150                                            | $\pm 3$               |            |                    | 0.95 to 18GHz              |
| 200                                            | $\pm 3$               |            |                    | 1.16 to 18GHz              |
| 250                                            | $\pm 3$               |            |                    | 1.35 to 18GHz              |
| 300                                            | $\pm 5$               |            |                    | 1.49 to 18GHz              |
| 400                                            | $\pm 5$               |            |                    | 1.85 to 18GHz              |
| 500                                            | $\pm 5$               |            |                    | 2.15 to 18GHz              |

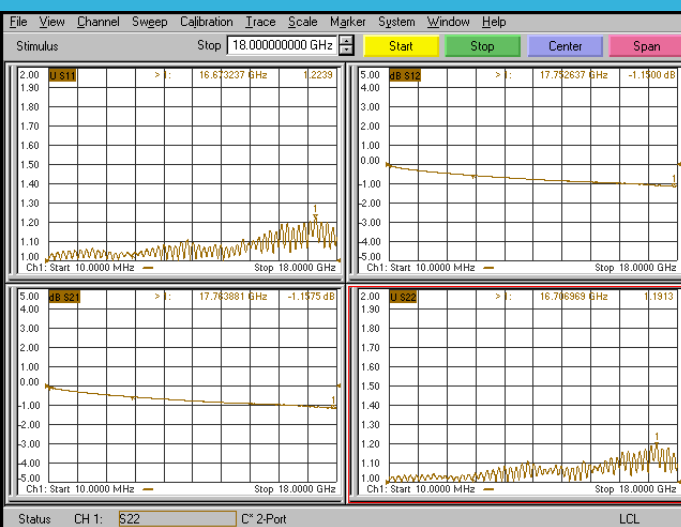
## Enviromental Specifications

|                             |                   |
|-----------------------------|-------------------|
| RoHS Compliant              | Yes               |
| Operating Temperature Range | -55 °C to +165 °C |
| MIL/STD                     | N/A               |

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 200 mm



\*Note: Test Cable Assembly Length = 300 mm