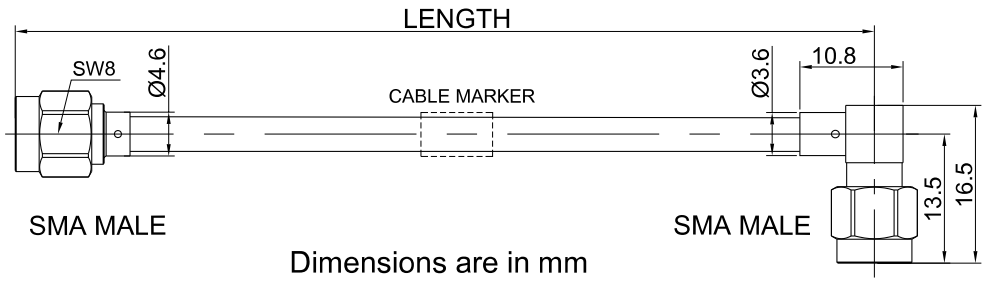


## P/N: FR721-SMMSMWM-XXX-6G

### SMA Male to SMA Right Angle Male Cable Assembly | .141" Semi-flexible Cable without Jacket □ DC-6GHz



## 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        | Right Angle |
| Connector Body Material   | Stainless Steel | Brass       |
| Connector Body Plating    | Passivated      | Gold        |

## Cable Configuration

|                          |   |
|--------------------------|---|
| Cable Type               | Semi-flexible                             |
| Cable Impedance (Ohm)    | 50  |
| Inner Conductor Material | Silver Plated Copper Covered Steel (SCCS) |
| Dielectric Material      | PTFE                                      |
| Number of Shields        | 1   |
| Shield Layer 1 Material  | Tin-soaked, Tin Plated Copper (T)         |
| Cable Diameter (mm)      | 3.6                                       |
| Cable Color              | Silver                                    |
| Minimum Bend Radius (mm) | 10  |
| Capacitance (pF/m)       | 94  |
| Velocity of Propagation  | 71%                                       |
| Shielding Effectiveness  | >100dB                                    |



## Electrical Data

| Electrical Specifications for Different Length |                       |           |                    |                            |
|--|-----------------------|-----------|--------------------|----------------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss $\leq$ (dB) |
| 100  | $\pm 3$               | DC-6GHz   | 1.25               | 0.3                        |
| 200  | $\pm 3$               |           |                    | 0.41                       |
| 300  | $\pm 5$               |           |                    | 0.52                       |
| 400  | $\pm 5$               |           |                    | 0.63                       |
| 500  | $\pm 5$               | DC-6GHz   |                    | 0.74                       |

## Environmental Specifications

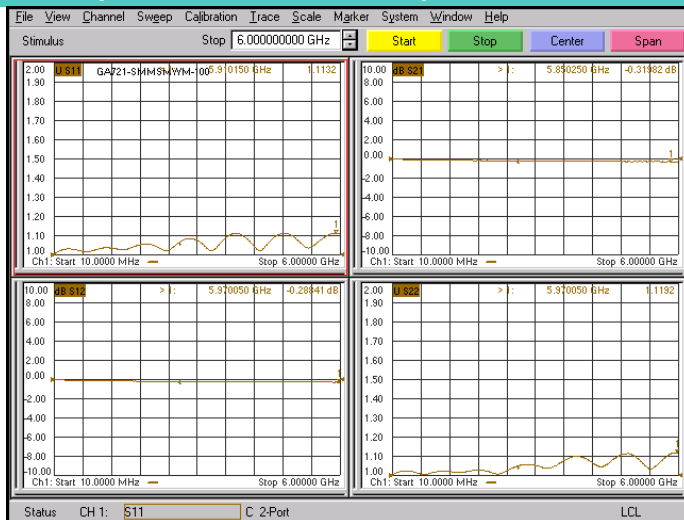
RoHS Compliant

Yes

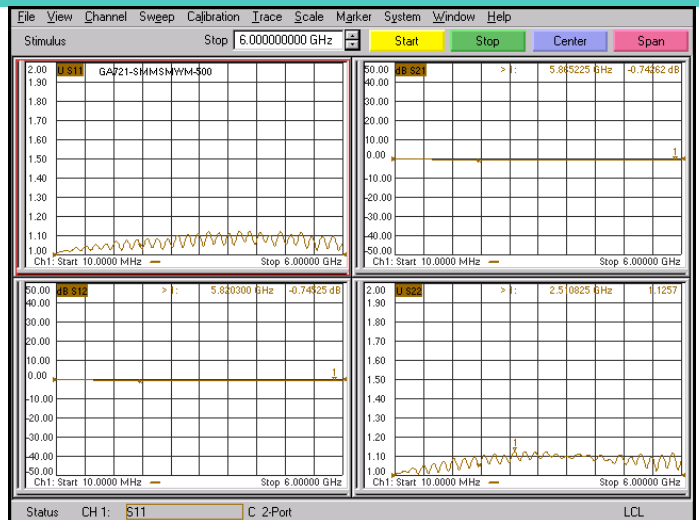
Operating Temperature Range

-40°C to +125°C

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 100 mm



\*Note: Test Cable Assembly Length = 500 mm

## Revision History

| Version | Description | Prepared By | Approved By | Date |
|---------|-------------|-------------|-------------|------|
|---------|-------------|-------------|-------------|------|