

**Part No. WCBA-WCA3718F.TLXXX Series**

**67GHz WCA37 Semi-Rigid Cable Assembly 1.85mm(F) -Trimmed Lead**



**Features:**

- Low Insertion Loss
- Good Shielding effectiveness



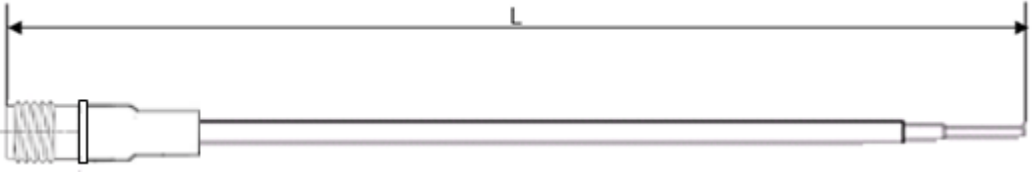
| WCA37 Raw Cable Electrical Specification |             |      |      |      |      |      |      |       |      |
|------------------------------------------|-------------|------|------|------|------|------|------|-------|------|
| Cut-Off Frequency                        | 109GHz      |      |      |      |      |      |      |       |      |
| Operating Frequency                      | 67GHz       |      |      |      |      |      |      |       |      |
| Frequency                                | 0.5         | 1    | 3    | 5    | 10   | 20   | 40   | 67    | GHz  |
| Attenuation                              | 0.79        | 1.13 | 2.17 | 2.59 | 3.74 | 5.44 | 8.19 | 14.33 | dB/m |
| Power                                    | 67          | 47   | 25   | 21   | 14   | 10   | 59   | 48    | W    |
| Velocity of Propagation                  | 70%         |      |      |      |      |      |      |       |      |
| Shielding Effectiveness                  | 165dB(Min.) |      |      |      |      |      |      |       |      |
| Impedance                                | 50 ohm      |      |      |      |      |      |      |       |      |
| Min. Static Bending Radius               | 4.2mm       |      |      |      |      |      |      |       |      |

| WCA37 Raw Cable Mechanical / Material Specification |                                            |          |
|-----------------------------------------------------|--------------------------------------------|----------|
| Description                                         | Material                                   | Diameter |
| Center Conductor                                    | Silver Plated Copper Clad Steel            | 0.29 mm  |
| Dielectric                                          | PTFE                                       | 0.94 mm  |
| Outer Conductor                                     | Tin Plated Seamless annealed tinned copper | 1.19mm   |

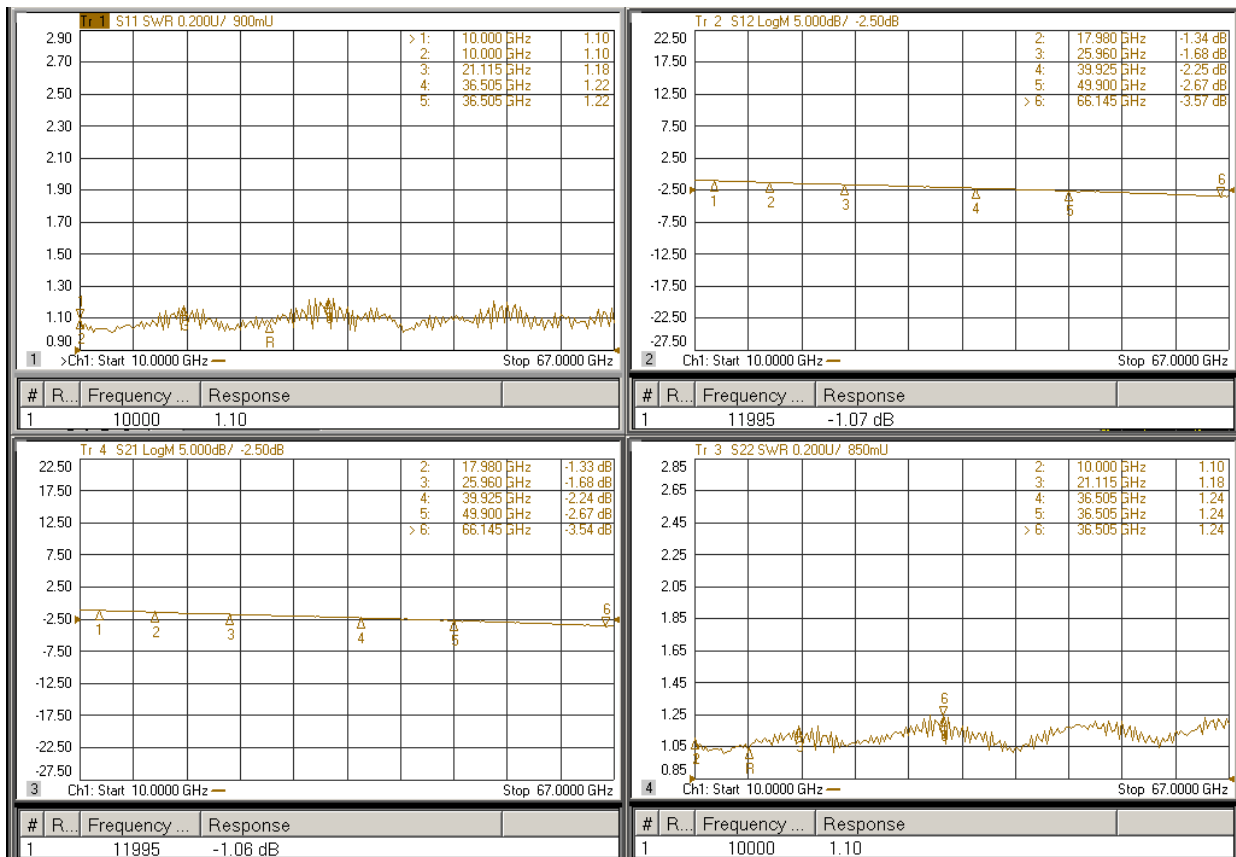
| WCA37 Raw Cable Environmental Specification |             |
|---------------------------------------------|-------------|
| Operating Temperature                       | -55 ~+125°C |

## Cable Assembly Specification

### 67GHz WCA37 Semi-Rigid Cable Assembly 1.85mm(F) -Trimmed Lead

|                                                                                                                   |                                                                                    |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Part No.                                                                                                          | WCBA-WCA3718F.TLXXX<br>(XXX:Length,Unit: Meters)                                   |
| Frequency                                                                                                         | 67GHz (max.)                                                                       |
| Connection 1                                                                                                      | 1.85mm Female                                                                      |
| VSWR                                                                                                              | 1.4:1(max.)                                                                        |
| Outline<br>(Unit: Meters)<br>Unless Otherwise Specified<br>Linearity Tolerance:<br>100~200mm:±8mm<br>>200mm:±1.5% |  |

## Test Curve



0.1M