

**Part No. WCBA-WCA214FZE.RMCMXXX Series**

**2GHz WCA214 Flexible Cable Assembly MCX(P)R/A-Fakra(F) Z code**



**Features:**

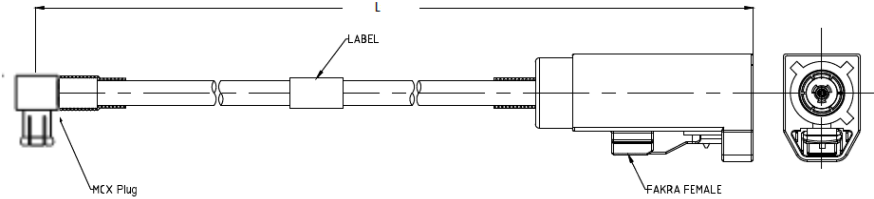
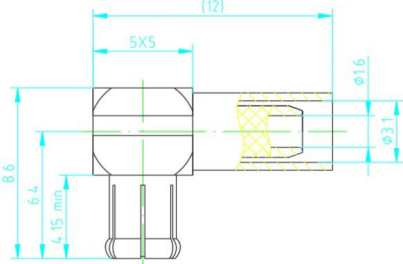
- Low Insertion Loss



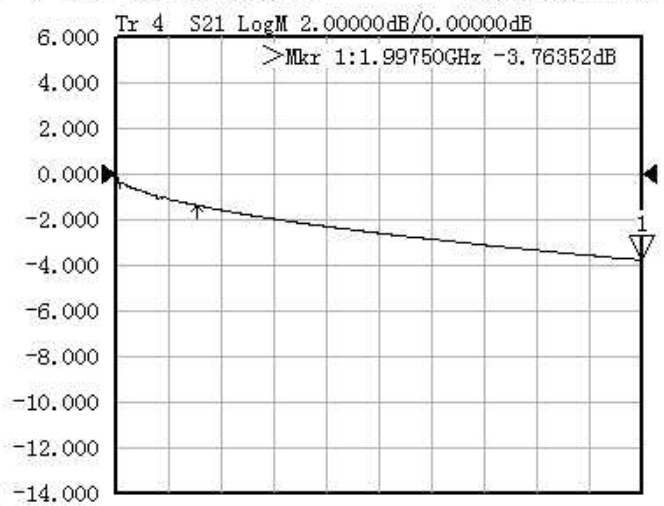
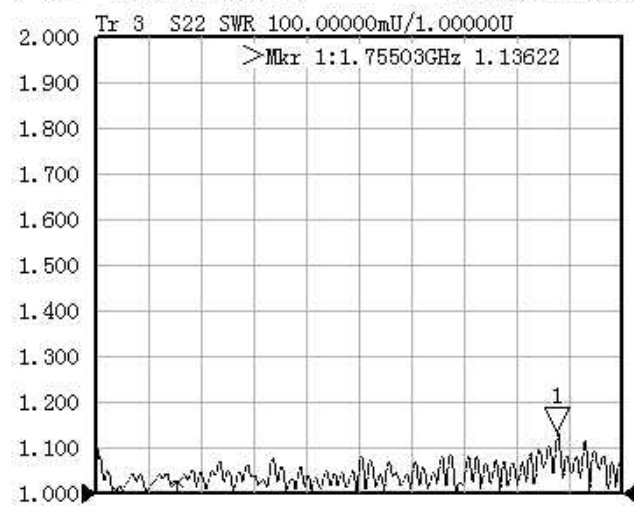
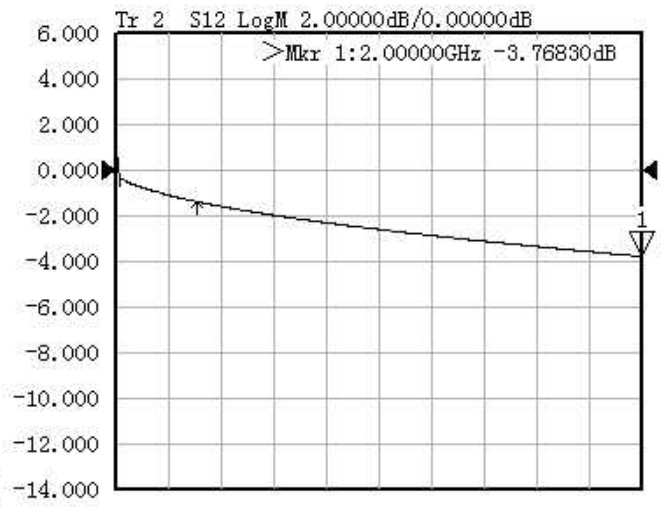
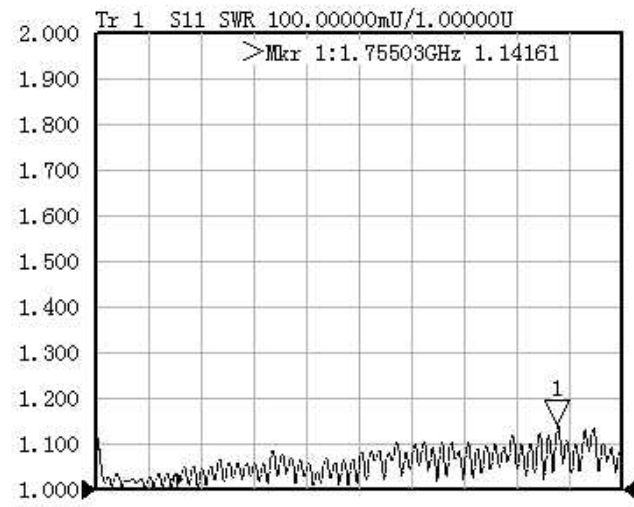
| WCA214 Raw Cable Electrical Specification |        |       |       |       |       |       |       |       |      |
|-------------------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|------|
| Operating Frequency                       | 6GHz   |       |       |       |       |       |       |       |      |
| Frequency                                 | 0.1    | 0.5   | 1     | 2     | 3     | 4     | 5     | 6     | GHz  |
| Attenuation                               | 0.276  | 0.605 | 0.881 | 1.286 | 1.617 | 1.869 | 2.132 | 2.378 | dB/m |
| Velocity of Propagation                   | 66%    |       |       |       |       |       |       |       |      |
| Impedance                                 | 50 ohm |       |       |       |       |       |       |       |      |
| Min. Static Bending Radius                | 14mm   |       |       |       |       |       |       |       |      |
| Min. Dynamic Bending Radius               | 28mm   |       |       |       |       |       |       |       |      |

| WCA214 Raw Cable Mechanical / Material Specification |                      |          |
|------------------------------------------------------|----------------------|----------|
| Description                                          | Material             | Diameter |
| Center Conductor                                     | Copper Clad Steel    | 0.48 mm  |
| Dielectric                                           | PP                   | 1.52 mm  |
| Outer Shield                                         | Silver Plated Copper | 2.05 mm  |
| Jacket                                               | PVC                  | 2.80 mm  |

| WCA214 Raw Cable Environmental Specification |             |
|----------------------------------------------|-------------|
| Operating Temperature                        | -55 ~+125°C |

| Cable Assembly Specification                                                                                      |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2GHz WCA214 Flexible Cable Assembly MCX(P)R/A-Fakra(F) Z code                                                     |                                                                                     |
| Part No.                                                                                                          | WCBA-WCA214FZF.RMCMXXX<br>(XXX:Length,Unit: Meters)                                 |
| Frequency                                                                                                         | 2GHz (max.)                                                                         |
| Connection 1                                                                                                      | MCX Plug                                                                            |
| Connection 2                                                                                                      | Fakra Female Z Code                                                                 |
| VSWR                                                                                                              | 1.4:1(max.)                                                                         |
| Operating Temp.                                                                                                   | -45 ~+85℃                                                                           |
| Outline<br>(Unit: Meters)<br>Unless Otherwise Specifide<br>Linearity Tolerance:<br>100~200mm:±8mm<br>>200mm:±1.5% |   |
|                                                                                                                   |  |

Test Cyrve



300cm