

## QCA-FL4G-M

SSMA Connector, DC~40GHz

Features:  
\* Low VSWR

Applications:  
\* Wireless  
\* Radar  
\* Instruments  
\* Electronics

### Electrical

|                               |             |
|-------------------------------|-------------|
| Frequency:                    | DC~40GHz    |
| VSWR:                         | 1.2 max.    |
| Impedance of Dielectric:      | 1000MΩ min. |
| Impedance of Inner Conductor: | 5mΩ max.    |
| Impedance of Outer Conductor: | 2.5mΩ max.  |
| Voltage Withstand:            | 750V DC     |
| Impedance:                    | 50Ω         |

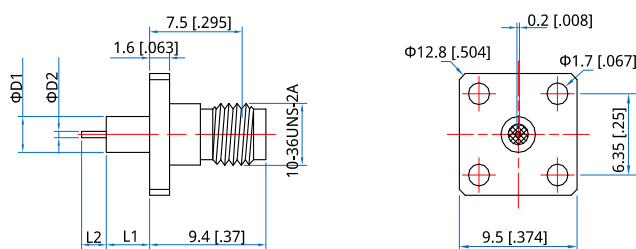
### Mechanical

|                    |                                   |
|--------------------|-----------------------------------|
| RF Connector:      | SSMA Female                       |
| Mating Life Cycle: | 500 cycles                        |
| Outer Conductor:   | Passivated SUS303 Stainless Steel |
| Dielectric:        | PEI & PTFE                        |
| Inner Conductor:   | Gold Plated Beryllium Copper      |

### Environmental

|              |            |
|--------------|------------|
| Temperature: | -55~+165°C |
|--------------|------------|

### Outline Drawings



| Part Number     | ΦD1        | ΦD2         | L1          | L2        |
|-----------------|------------|-------------|-------------|-----------|
| QCA-FL4G-M60-01 | 2.8 [0.11] | 0.6 [0.024] | 3.1 [0.122] | 2 [0.079] |

Unit: mm [in]  
Tolerance: ±0.2mm [±0.008in]