

## QCK-ML2G-S-03

2.92mm Connector, DC~40GHz

Features:  
\* Low VSWR

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

### Electrical

|                               |             |
|-------------------------------|-------------|
| Frequency:                    | DC~40GHz    |
| VSWR:                         | 1.15 max.   |
| Impedance of Dielectric:      | 3000MΩ min. |
| Impedance of Inner Conductor: | 3mΩ max.    |
| Impedance of Outer Conductor: | 2mΩ max.    |
| Voltage Withstand:            | 750V DC     |
| Impedance:                    | 50Ω         |

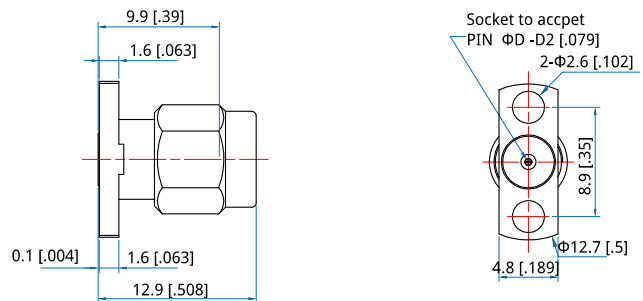
### Mechanical

|                    |                                   |
|--------------------|-----------------------------------|
| RF Connector:      | 2.92mm male                       |
| Mating Life Cycle: | 500 cycles                        |
| Outer Conductor:   | Passivated SUS303 Stainless Steel |
| Dielectric:        | PEI & PTFE or PEI                 |
| Inner Conductor:   | Gold Plated Beryllium Copper      |
| Accept PIN:        | ΦDmm, depth 2mm max.              |

### Environmental

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

### Outline Drawings



| Size | D     |       |       |       |      |
|------|-------|-------|-------|-------|------|
| mm   | 0.23  | 0.30  | 0.38  | 0.46  | 0.51 |
| in   | 0.009 | 0.012 | 0.015 | 0.018 | 0.02 |

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### How To Order

**QCK-ML2G-S23-03** - ΦD: Φ0.23mm

**QCK-ML2G-S30-03** - ΦD: Φ0.3mm

**QCK-ML2G-S38-03** - ΦD: Φ0.38mm

**QCK-ML2G-S46-03** - ΦD: Φ0.46mm

**QCK-ML2G-S51-03** - ΦD: Φ0.51mm

Customization is available upon request.