

QC2-FL2G-P

2.4mm Connector, DC~50GHz

Features:
* Low VSWR

Applications:
* Wireless
* Radar
* Instruments
* Electronics

Electrical

| | |
|-------------------------------|-------------|
| Frequency: | DC~50GHz |
| 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 |

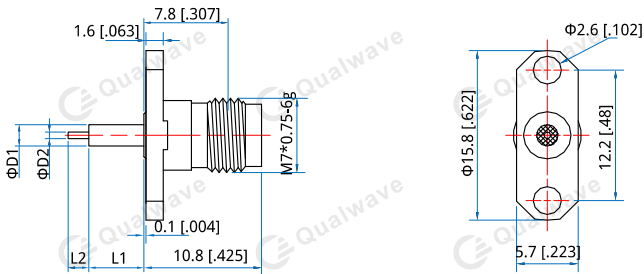
Mechanical

| | |
|--------------------|-----------------------------------|
| RF Connector: | 2.4mm Female |
| Mating Life Cycle: | 500 cycles |
| Outer Conductor: | Passivated SUS303 Stainless Steel |
| Dielectric: | PEI & PTFE or PEI |
| Inner Conductor: | Gold Plated Beryllium Copper |

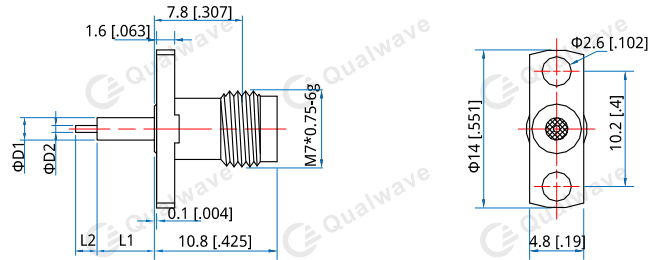
Environmental

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

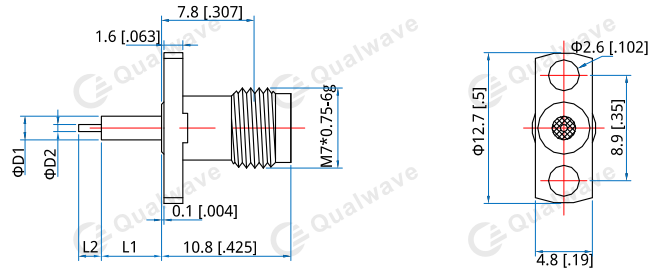
Outline Drawings



| Part Number | ΦD1 | ΦD2 | L1 | L2 |
|-----------------|--------------|-------------|-------------|-------------|
| QC2-FL2G-P30-01 | 1.67 [0.066] | 0.3 [0.012] | 1.4 [0.055] | 1.5 [0.059] |
| QC2-FL2G-P30-02 | 1.67 [0.066] | 0.3 [0.012] | 3 [1.18] | 1.5 [0.059] |
| QC2-FL2G-P60-03 | 2 [0.079] | 0.6 [0.024] | 6.35 [0.25] | 1.27 [0.05] |
| QC2-FL2G-P60-04 | 2 [0.079] | 0.6 [0.024] | 5.1 [0.201] | 1.9 [0.075] |



| Part Number | ΦD1 | ΦD2 | L1 | L2 |
|-----------------|--------------|-------------|-------------|-------------|
| QC2-FL2G-P30-05 | 1.67 [0.066] | 0.3 [0.012] | 1.4 [0.055] | 1.5 [0.059] |
| QC2-FL2G-P30-06 | 1.67 [0.066] | 0.3 [0.012] | 3 [1.18] | 1.5 [0.059] |
| QC2-FL2G-P60-07 | 2 [0.079] | 0.6 [0.024] | 6.35 [0.25] | 1.27 [0.05] |
| QC2-FL2G-P60-08 | 2 [0.079] | 0.6 [0.024] | 5.1 [0.201] | 1.9 [0.075] |



| Part Number | ΦD1 | ΦD2 | L1 | L2 |
|-----------------|--------------|-------------|-------------|-------------|
| QC2-FL2G-P30-09 | 1.67 [0.066] | 0.3 [0.012] | 1.4 [0.055] | 1.5 [0.059] |
| QC2-FL2G-P30-10 | 1.67 [0.066] | 0.3 [0.012] | 3 [1.18] | 1.5 [0.059] |
| QC2-FL2G-P60-11 | 2 [0.079] | 0.6 [0.024] | 6.35 [0.25] | 1.27 [0.05] |
| QC2-FL2G-P60-12 | 2 [0.079] | 0.6 [0.024] | 5.1 [0.201] | 1.9 [0.075] |

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