

## NC2-FL2G-M

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         |

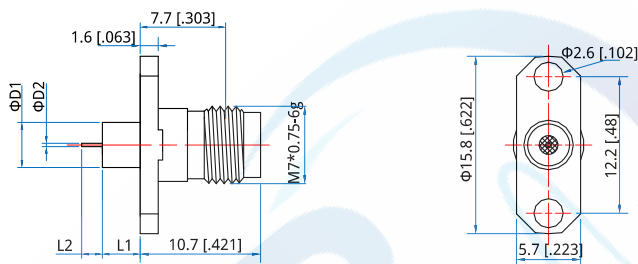
### Mechanical

|                    |                                   |
|--------------------|-----------------------------------|
| 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      |

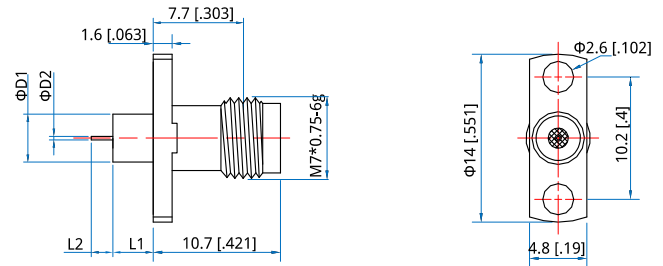
### Environmental

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

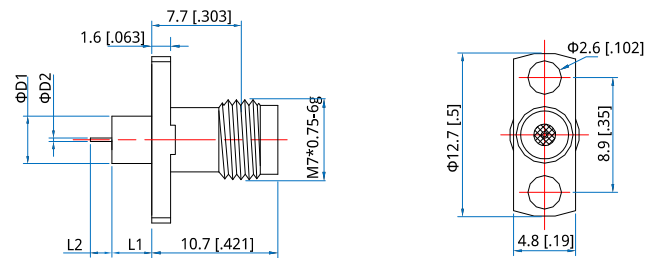
### Outline Drawings



| Part Number     | ΦD1      | ΦD2        | L1         | L2         |
|-----------------|----------|------------|------------|------------|
| NC2-FL2G-M30-01 | 4 [.158] | 0.3 [.012] | 1.4 [.055] | 1.5 [.059] |
| NC2-FL2G-M30-02 | 4 [.158] | 0.3 [.012] | 3 [.118]   | 1.5 [.059] |



| Part Number     | ΦD1      | ΦD2        | L1         | L2         |
|-----------------|----------|------------|------------|------------|
| NC2-FL2G-M30-03 | 4 [.158] | 0.3 [.012] | 1.4 [.055] | 1.5 [.059] |
| NC2-FL2G-M30-04 | 4 [.158] | 0.3 [.012] | 3 [.118]   | 1.5 [.059] |



| Part Number     | ΦD1      | ΦD2        | L1         | L2         |
|-----------------|----------|------------|------------|------------|
| NC2-FL2G-M30-05 | 4 [.158] | 0.3 [.012] | 1.4 [.055] | 1.5 [.059] |
| NC2-FL2G-M30-06 | 4 [.158] | 0.3 [.012] | 3 [.118]   | 1.5 [.059] |

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