

## NCK-FL2G-D

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         |

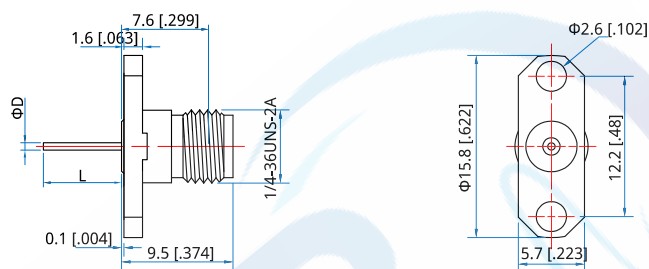
### Mechanical

|                    |                                   |
|--------------------|-----------------------------------|
| RF Connector:      | 2.92mm Female                     |
| Mating Life Cycle: | 500 cycles                        |
| Outer Conductor:   | Passivated SUS303 Stainless Steel |
| Dielectric:        | PEI & PTFE or PEI                 |
| Inner Conductor:   | Gold Plated Beryllium Copper      |

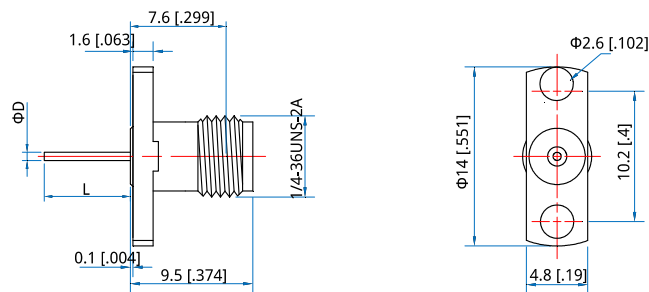
### Environmental

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

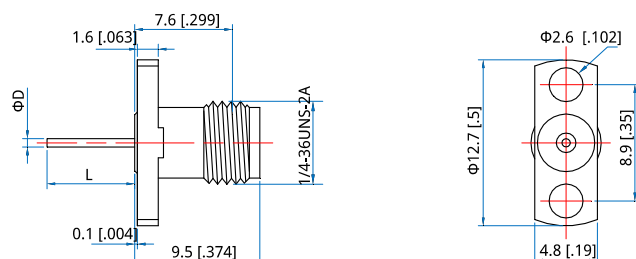
### Outline Drawings



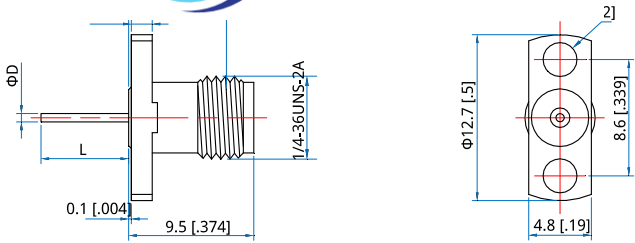
| Part Number     | $\Phi D$    | L           |
|-----------------|-------------|-------------|
| NCK-FL2G-D64-01 | 0.64 [.025] | 10.92 [.43] |
| NCK-FL2G-D64-02 | 0.64 [.025] | 6.84 [.269] |
| NCK-FL2G-D30-03 | 0.3 [.012]  | 7 [.276]    |
| NCK-FL2G-D30-04 | 0.3 [.012]  | 2 [.079]    |
| NCK-FL2G-D75-05 | 0.75 [.03]  | 30 [1.181]  |



| Part Number     | $\Phi D$    | L           |
|-----------------|-------------|-------------|
| NCK-FL2G-D64-06 | 0.64 [.025] | 10.92 [.43] |
| NCK-FL2G-D64-07 | 0.64 [.025] | 6.84 [.269] |
| NCK-FL2G-D30-08 | 0.3 [.012]  | 7 [.276]    |
| NCK-FL2G-D30-09 | 0.3 [.012]  | 2 [.079]    |
| NCK-FL2G-D75-10 | 0.75 [.03]  | 30 [1.181]  |



| Part Number     | $\Phi D$    | L           |
|-----------------|-------------|-------------|
| NCK-FL2G-D64-11 | 0.64 [.025] | 10.92 [.43] |
| NCK-FL2G-D64-12 | 0.64 [.025] | 6.84 [.269] |
| NCK-FL2G-D30-13 | 0.3 [.012]  | 7 [.276]    |
| NCK-FL2G-D30-14 | 0.3 [.012]  | 2 [.079]    |
| NCK-FL2G-D75-15 | 0.75 [.03]  | 30 [1.181]  |



| Part Number     | ΦD          | L           |
|-----------------|-------------|-------------|
| NCK-FL2G-D64-16 | 0.64 [.025] | 10.92 [.43] |
| NCK-FL2G-D64-17 | 0.64 [.025] | 6.84 [.269] |
| NCK-FL2G-D30-18 | 0.3 [.012]  | 7 [.276]    |
| NCK-FL2G-D30-19 | 0.3 [.012]  | 2 [.079]    |
| NCK-FL2G-D75-20 | 0.75 [.03]  | 30 [1.181]  |

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

