

# FC2-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

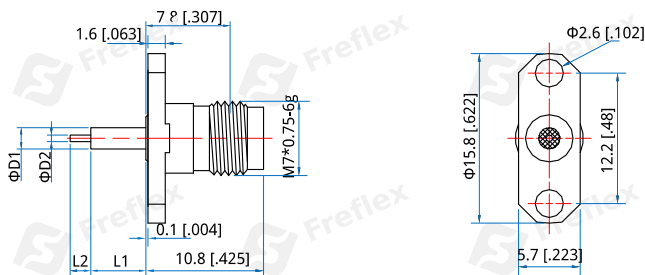
### Mechanical

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

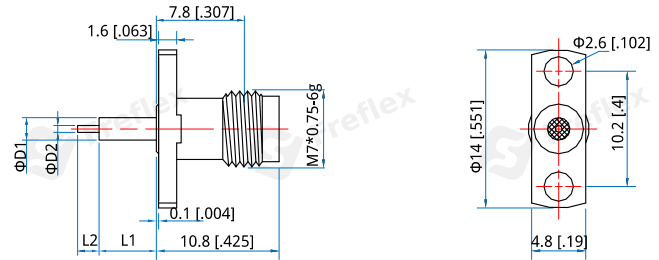
### Environmental

Temperature:	-55~+165°C
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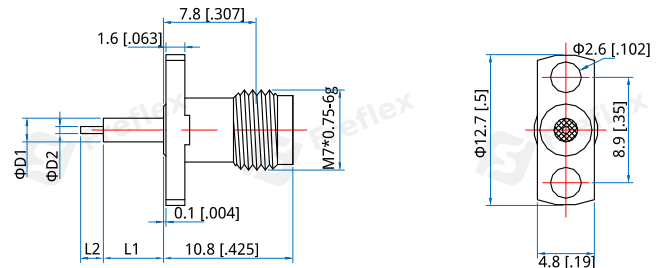
### Outline Drawings



Part Number	ΦD1	ΦD2	L1	L2
FC2-FL2G-P30-01	1.67 [0.066]	0.3 [0.012]	1.4 [0.055]	1.5 [0.059]
FC2-FL2G-P30-02	1.67 [0.066]	0.3 [0.012]	3 [1.18]	1.5 [0.059]
FC2-FL2G-P60-03	2 [0.079]	0.6 [0.024]	6.35 [0.25]	1.27 [0.05]
FC2-FL2G-P60-04	2 [0.079]	0.6 [0.024]	5.1 [0.201]	1.9 [0.075]



Part Number	ΦD1	ΦD2	L1	L2
FC2-FL2G-P30-05	1.67 [0.066]	0.3 [0.012]	1.4 [0.055]	1.5 [0.059]
FC2-FL2G-P30-06	1.67 [0.066]	0.3 [0.012]	3 [1.18]	1.5 [0.059]
FC2-FL2G-P60-07	2 [0.079]	0.6 [0.024]	6.35 [0.25]	1.27 [0.05]
FC2-FL2G-P60-08	2 [0.079]	0.6 [0.024]	5.1 [0.201]	1.9 [0.075]



Part Number	ΦD1	ΦD2	L1	L2
FC2-FL2G-P30-09	1.67 [0.066]	0.3 [0.012]	1.4 [0.055]	1.5 [0.059]
FC2-FL2G-P30-10	1.67 [0.066]	0.3 [0.012]	3 [1.18]	1.5 [0.059]
FC2-FL2G-P60-11	2 [0.079]	0.6 [0.024]	6.35 [0.25]	1.27 [0.05]
FC2-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]