

# QCS-FL4G-P

## SMA Connector, DC~26.5GHz

Features:  
\* Low VSWR

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

### Electrical

Frequency:	DC~26.5GHz
VSWR:	1.15 max.
Impedance of Dielectric:	5000MΩ min.
Impedance of Inner Conductor:	3mΩ max.
Impedance of Outer Conductor:	2mΩ max.
Voltage Withstand:	1000V DC
Impedance:	50Ω

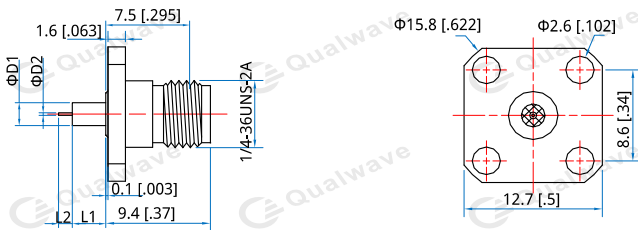
### Mechanical

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

### Environmental

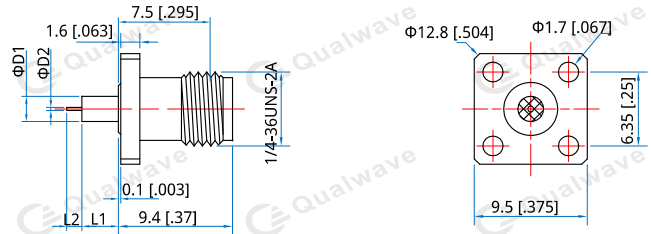
Temperature: -55~+165°C

### Outline Drawings

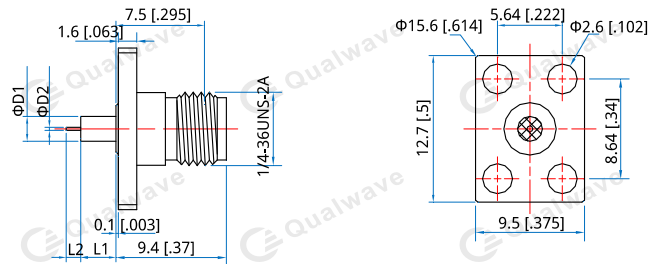


Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-P30-01	2.2 [0.087]	0.3 [0.012]	3.2 [1.26]	1.27 [0.05]
QCS-FL4G-P30-02	2.2 [0.087]	0.3 [0.012]	4.3 [1.69]	1.3 [0.051]
QCS-FL4G-P64-03	3.9 [1.54]	0.64 [0.025]	15 [5.91]	3 [1.18]
QCS-FL4G-P64-04	2.1 [0.083]	0.64 [0.025]	15 [5.91]	3 [1.18]

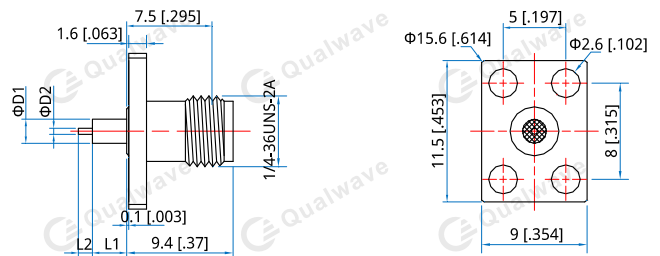
Unit: mm [in]  
Tolerance: ±0.2mm [±0.008in]



Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-P30-05	2.2 [0.087]	0.3 [0.012]	3.2 [1.26]	1.27 [0.05]
QCS-FL4G-P30-06	2.2 [0.087]	0.3 [0.012]	4.3 [1.69]	1.3 [0.051]
QCS-FL4G-P64-07	2.1 [0.083]	0.64 [0.025]	15 [5.91]	3 [1.18]

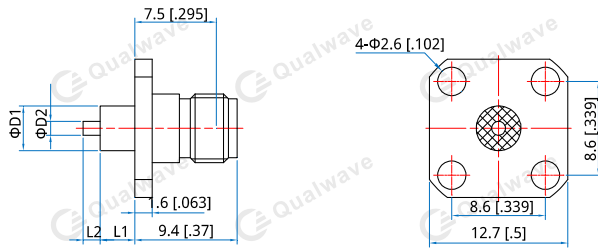


Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-P30-08	2.2 [0.087]	0.3 [0.012]	3.2 [1.26]	1.27 [0.05]
QCS-FL4G-P64-09	2.1 [0.083]	0.64 [0.025]	15 [5.91]	3 [1.18]
QCS-FL4G-P30-10	2.2 [0.087]	0.3 [0.012]	4.3 [1.69]	1.3 [0.051]

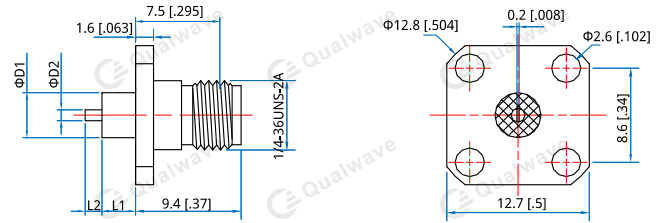


Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-P30-11	2.2 [0.087]	0.3 [0.012]	3.2 [1.26]	1.27 [0.05]
QCS-FL4G-P64-12	2.1 [0.083]	0.64 [0.025]	15 [5.91]	3 [1.18]
QCS-FL4G-P30-13	2.2 [0.087]	0.3 [0.012]	4.3 [1.69]	1.3 [0.051]

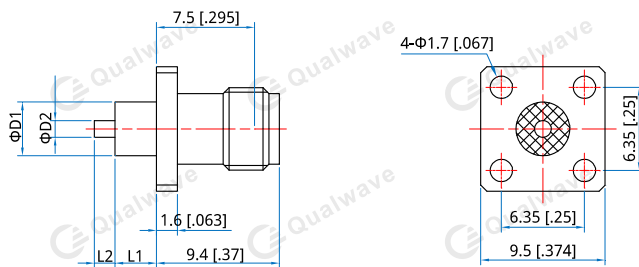
## Connectors



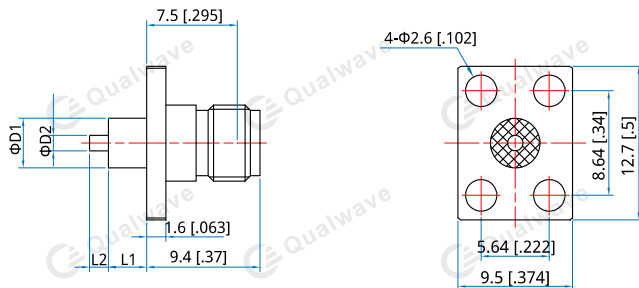
Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-P127-14	4.1 [0.161]	1.27 [0.05]	3.17 [0.125]	1.57 [0.062]
QCS-FL4G-P127-15	4.1 [0.161]	1.27 [0.05]	5 [0.197]	2 [0.079]
QCS-FL4G-P127-16	4.1 [0.161]	1.27 [0.05]	5 [0.197]	24 [0.945]



Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-P100-23	4.1 [0.161]	1 [0.04]	4 [0.158]	1.5 [0.059]
QCS-FL4G-P100-24	4.1 [0.161]	1 [0.04]	3 [0.118]	1.5 [0.059]



Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-P127-17	4.1 [0.161]	1.27 [0.05]	3.17 [0.125]	1.57 [0.062]
QCS-FL4G-P127-18	4.1 [0.161]	1.27 [0.05]	5 [0.197]	2 [0.079]
QCS-FL4G-P127-19	4.1 [0.161]	1.27 [0.05]	5 [0.197]	24 [0.945]



Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-P127-20	4.1 [0.161]	1.27 [0.05]	3.17 [0.125]	1.57 [0.062]
QCS-FL4G-P127-21	4.1 [0.161]	1.27 [0.05]	5 [0.197]	2 [0.079]
QCS-FL4G-P127-22	4.1 [0.161]	1.27 [0.05]	5 [0.197]	24 [0.945]