

# QCS-FL4G-M

## 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

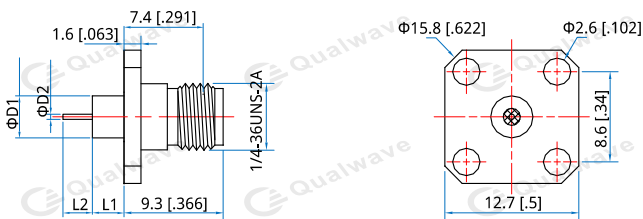
### Mechanical

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

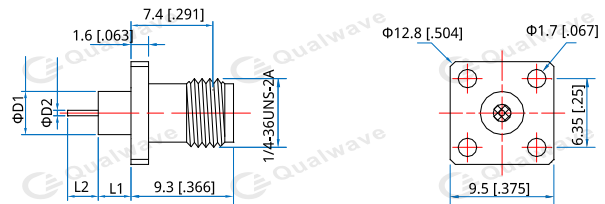
### Outline Drawings



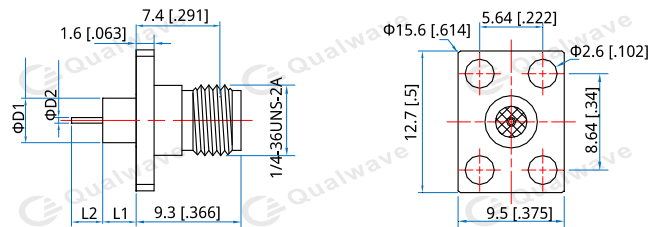
Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-M80-01	4 [.158]	0.8 [.031]	4 [.158]	2 [.079]
QCS-FL4G-M38-02	4 [.158]	0.38 [.015]	3 [.118]	2 [.079]
QCS-FL4G-M38-03	4 [.158]	0.38 [.015]	3 [.118]	3 [.118]
QCS-FL4G-M38-04	4 [.158]	0.38 [.015]	3 [.118]	0.4 [.016]

Unit: mm [in]

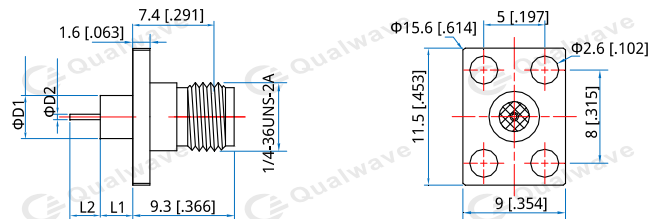
Tolerance: ±0.2mm [±0.008in]



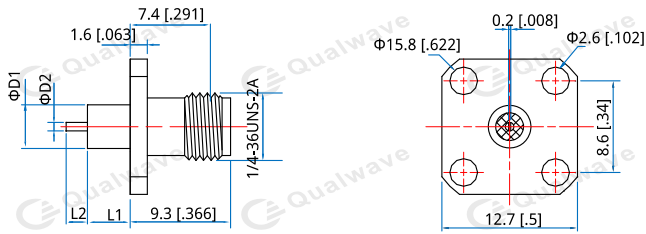
Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-M80-05	4 [.158]	0.8 [.031]	4 [.158]	2 [.079]
QCS-FL4G-M38-06	4 [.158]	0.38 [.015]	3 [.118]	2 [.079]
QCS-FL4G-M38-07	4 [.158]	0.38 [.015]	3 [.118]	3 [.118]
QCS-FL4G-M38-08	4 [.158]	0.38 [.015]	3 [.118]	0.4 [.016]



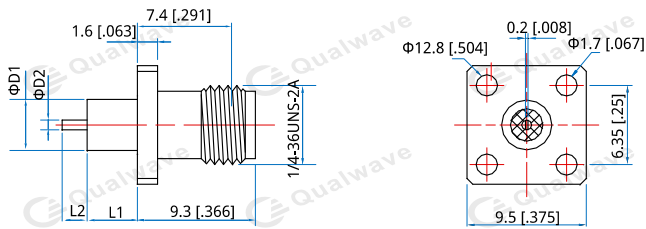
Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-M80-09	4 [.158]	0.8 [.031]	4 [.158]	2 [.079]
QCS-FL4G-M38-10	4 [.158]	0.38 [.015]	3 [.118]	2 [.079]
QCS-FL4G-M38-11	4 [.158]	0.38 [.015]	3 [.118]	3 [.118]
QCS-FL4G-M38-12	4 [.158]	0.38 [.015]	3 [.118]	0.4 [.016]



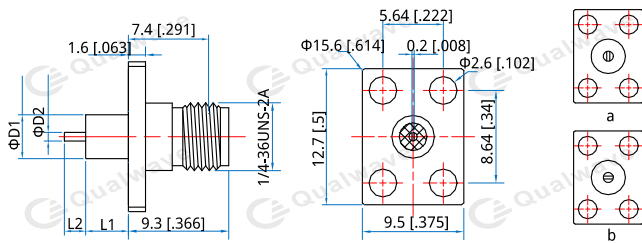
Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-M80-13	4 [.158]	0.8 [.031]	4 [.158]	2 [.079]
QCS-FL4G-M38-14	4 [.158]	0.38 [.015]	3 [.118]	2 [.079]
QCS-FL4G-M38-15	4 [.158]	0.38 [.015]	3 [.118]	3 [.118]
QCS-FL4G-M38-16	4 [.158]	0.38 [.015]	3 [.118]	0.4 [.016]



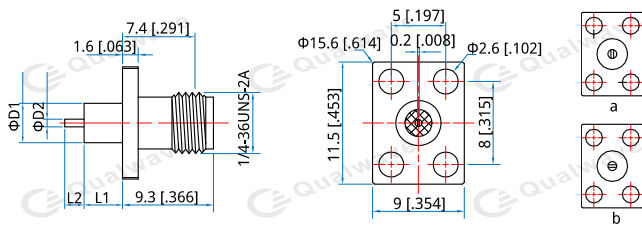
Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-M100-17	6 [0.236]	1 [0.039]	4 [0.158]	1.5 [0.059]
QCS-FL4G-M80-18	4 [0.158]	0.8 [0.031]	4 [0.158]	1.5 [0.059]



Part Number	ΦD1	ΦD2	L1	L2
QCS-FL4G-M80-19	4 [0.158]	0.8 [0.031]	4 [0.158]	1.5 [0.059]



Part Number	ΦD1	ΦD2	L1	L2	
QCS-FL4G-M80-20	4 [0.158]	0.8 [0.031]	4 [0.158]	1.5 [0.059]	a
QCS-FL4G-M80-21	4 [0.158]	0.8 [0.031]	4 [0.158]	1.5 [0.059]	b



Part Number	ΦD1	ΦD2	L1	L2	
QCS-FL4G-M80-22	4 [0.158]	0.8 [0.031]	4 [0.158]	1.5 [0.059]	a
QCS-FL4G-M80-23	4 [0.158]	0.8 [0.031]	4 [0.158]	1.5 [0.059]	b