

FCPS-MO-M

SMP Connector, DC~35GHz

Features:
* Low VSWR

Applications:
* Wireless
* Radar
* Instruments
* Electronics

Electrical

Frequency: DC~35GHz
Impedance of Dielectric: 5000MΩ min.
Voltage Withstand*1: 500V
Impedance: 50Ω

[1] 50Hz, AC RMS, at sea level.

Environmental

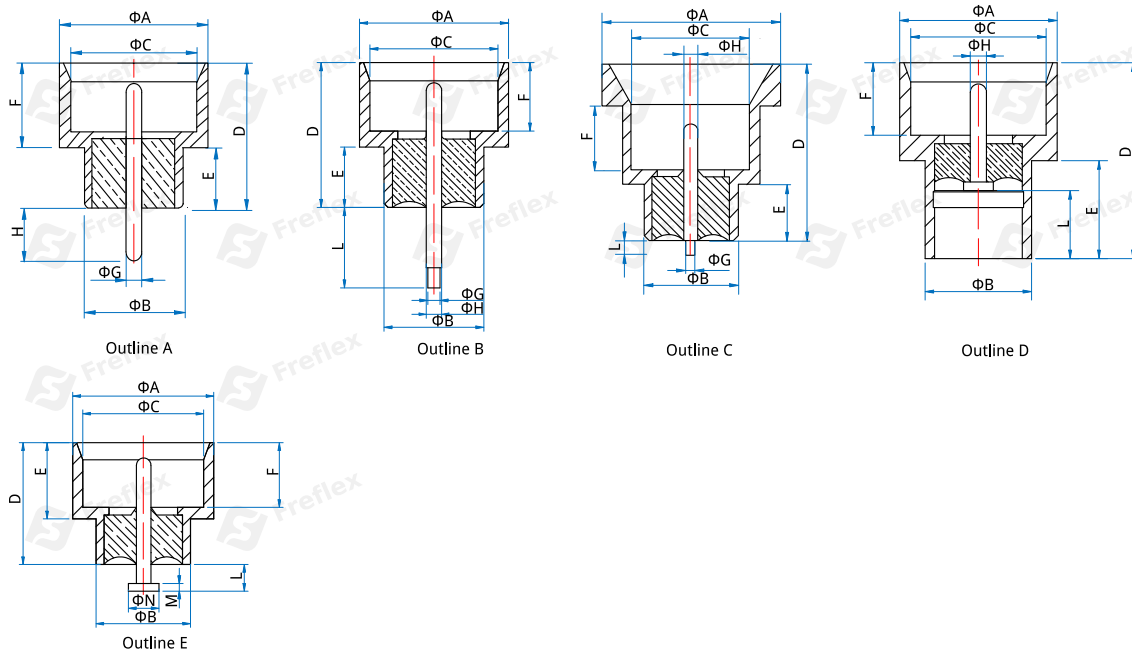
Temperature: -65~+165°C
Seal: 1.013*10⁻³ Pa.cm³/s (He) max.
Salt Fog*2: 48h min.

[2] According to customer requirements, it can reach 96 hours.

Mechanical

RF Connector: SMP male
Mating Life Cycle: 1000 cycles
Detent Mode: Smooth bore
Outer Conductor: Gold-plated and nickel-plated kovar alloy (4J29)
Dielectric: Glass
Inner Conductor: Gold-plated and nickel-plated kovar alloy (4J29)

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Part Number	A	B	C	D	E	F	G	H	L	M	N	Outline Drawings
FCPS-MO-M38-01	4.8 [0.189]	2.5 [0.098]	3.17 [0.125]	4.6 [0.181]	1.5 [0.059]	2.7 [0.106]	0.38 [0.015]	0.8 [0.031]	-	-	-	Outline A

FCPS-MO-M38-02	4.2 [.165]	2.5 [.098]	3.18 [.125]	4.6 [.181]	1.5 [.059]	2.8 [.11]	0.38 [.015]	3 [.118]	-	-	-	Outline A
FCPS-MO-M38-03	3.7 [.146]	2.5 [.098]	3.17 [.125]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.38 [.015]	1.2 [.047]	-	-	-	Outline A
FCPS-MO-M38-04	3.7 [.146]	2.5 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.7 [.067]	0.38 [.015]	1.3 [.051]	-	-	-	Outline A
FCPS-MO-M38-05	3.68 [.145]	2.5 [.098]	3.18 [.125]	3.05 [.12]	1 [.039]	1.7 [.067]	0.38 [.015]	1.27 [.05]	-	-	-	Outline A
FCPS-MO-M38-06	3.7 [.146]	2.49 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.38 [.015]	1.5 [.059]	-	-	-	Outline A
FCPS-MO-M38-07	4.18 [.165]	2.49 [.098]	3.18 [.125]	4.58 [.18]	1.52 [.06]	2.8 [.11]	0.38 [.015]	1.78 [.07]	-	-	-	Outline A
FCPS-MO-M38-08	4.8 [.189]	2.5 [.098]	3.18 [.125]	4.6 [.181]	1.5 [.059]	2.8 [.11]	0.38 [.015]	1.8 [.071]	-	-	-	Outline A
FCPS-MO-M38-09	5.8 [.228]	2.5 [.098]	3.2 [.126]	7.1 [.28]	1.5 [.059]	5.3 [.209]	0.38 [.015]	1.9 [.075]	-	-	-	Outline A
FCPS-MO-M38-10	4.2 [.165]	2.5 [.098]	3.18 [.125]	4.6 [.181]	1.5 [.059]	2.8 [.11]	0.38 [.015]	1.6 [.063]	-	-	-	Outline A
FCPS-MO-M38-11	3.7 [.146]	2.5 [.098]	3.17 [.125]	3.6 [.142]	1 [.039]	1.8 [.071]	0.38 [.015]	1.6 [.063]	-	-	-	Outline A
FCPS-MO-M38-12	4.2 [.165]	2.5 [.098]	3.17 [.125]	4.6 [.181]	1.5 [.059]	2.8 [.11]	0.38 [.015]	4 [.157]	-	-	-	Outline A
FCPS-MO-M38-13	3.7 [.146]	2.5 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.38 [.015]	1.5 [.059]	-	-	-	Outline A
FCPS-MO-M38-14	3.7 [.146]	2.5 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.7 [.067]	0.38 [.015]	1 [.039]	-	-	-	Outline A
FCPS-MO-M38-15	3.7 [.146]	2.5 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.38 [.015]	2.5 [.098]	-	-	-	Outline A
FCPS-MO-M38-16	4.2 [.165]	2.5 [.098]	3.17 [.125]	4.6 [.181]	1.5 [.059]	2.8 [.11]	0.38 [.015]	4 [.157]	-	-	-	Outline A
FCPS-MO-M38-17	4.2 [.165]	2.5 [.098]	3.18 [.125]	4.6 [.181]	1.5 [.059]	2.8 [.11]	0.38 [.015]	1.25 [.049]	-	-	-	Outline A
FCPS-MO-M40-01	3.7 [.146]	2.5 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.4 [.016]	1.3 [.051]	-	-	-	Outline A
FCPS-MO-M38-18	4.18 [.165]	3.5 [.138]	3.18 [.125]	4.58 [.18]	1.52 [.06]	2.79 [.11]	0.38 [.015]	1.72 [.068]	-	-	-	Outline A
FCPS-MO-M40-02	3.7 [.146]	2.5 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.4 [.016]	2 [.079]	-	-	-	Outline A
FCPS-MO-M38-19	4.2 [.165]	2.5 [.098]	3.18 [.125]	4.6 [.181]	1.5 [.059]	2.8 [.11]	0.38 [.015]	1.8 [.071]	-	-	-	Outline A
FCPS-MO-M40-03	4.8 [.189]	2.5 [.098]	3.18 [.125]	4.6 [.181]	1.5 [.059]	2.79 [.11]	0.4 [.016]	0.9 [.035]	-	-	-	Outline A
FCPS-MO-M40-04	4.8 [.189]	2.5 [.098]	3.18 [.125]	4.6 [.181]	1.5 [.059]	2.79 [.11]	0.4 [.016]	1.8 [.071]	-	-	-	Outline A
FCPS-MO-M38-20	4.8 [.189]	2.5 [.098]	3.18 [.125]	5.4 [.213]	2.3 [.091]	2.79 [.11]	0.38 [.015]	0.8 [.031]	-	-	-	Outline A
FCPS-MO-M37-01	3.7 [.146]	2.5 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.7 [.067]	0.37 [.015]	7.4 [.291]	-	-	-	Outline A
FCPS-MO-M38-21	4.2 [.165]	2.5 [.098]	3.17 [.125]	4.6 [.181]	1.5 [.059]	2.8 [.11]	0.38 [.015]	0.95 [.037]	-	-	-	Outline A
FCPS-MO-M38-22	3.7 [.146]	2.5 [.098]	3.18 [.125]	3 [.118]	1 [.039]	1.8 [.071]	0.38 [.015]	1.3 [.051]	-	-	-	Outline A
FCPS-MO-M38-23	4.2 [.165]	2.5 [.098]	3.17 [.125]	4.55 [.179]	1.5 [.059]	2.8 [.11]	0.38 [.015]	1.8 [.071]	-	-	-	Outline A
FCPS-MO-M38-24	3.7 [.146]	2.5 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.38 [.015]	2 [.079]	-	-	-	Outline A
FCPS-MO-M38-25	3.7 [.146]	2.5 [.098]	2.95 [.116]	3.6 [.142]	1.5 [.059]	1.7 [.067]	0.3 [.012]	0.38 [.015]	2 [.079]	-	-	Outline B
FCPS-MO-M38-26	4.8 [.189]	2.5 [.098]	3.18 [.125]	3.6 [.142]	1.5 [.059]	1.7 [.067]	0.23 [.009]	0.38 [.015]	0.4 [.016]	-	-	Outline C
FCPS-MO-M38-27	4.8 [.189]	2.5 [.098]	3.17 [.125]	3.6 [.142]	1.5 [.059]	2.7 [.106]	-	0.38 [.015]	0.8 [.031]	-	-	Outline C
FCPS-MO-M38-28	3.7 [.146]	2.5 [.098]	3.18 [.125]	4.6 [.181]	2.3 [.091]	1.7 [.067]	-	0.38 [.015]	1.2 [.047]	-	-	Outline D
FCPS-MO-M38-29	3.7 [.146]	2.5 [.098]	3.18 [.125]	5.1 [.201]	1.7 [.067]	1.7 [.067]	-	0.38 [.015]	2.1 [.083]	-	-	Outline D
FCPS-MO-M38-30	3.7 [.146]	2.5 [.098]	3.18 [.125]	5.1 [.201]	1.7 [.067]	1.7 [.067]	-	0.38 [.015]	2.1 [.083]	-	-	Outline D
FCPS-MO-M38-31	3.7 [.146]	2.5 [.098]	3.17 [.125]	3.2 [.126]	2 [.079]	1.7 [.067]	-	0.38 [.015]	0.7 [.028]	0.2 [.008]	0.8 [.031]	Outline E
FCPS-MO-M38-32	4.8 [.189]	2.5 [.098]	3.18 [.125]	4.6 [.181]	3.1 [.122]	2.8 [.11]	-	0.38 [.015]	1.3 [.051]	1 [.039]	1.1 [.043]	Outline E