

FCPF-MO-M

SMP Connector, DC~40GHz

Features:
* Low VSWR

Applications:
* Wireless
* Radar
* Instruments
* Electronics

Electrical

Frequency:	DC~40GHz (Outline A) DC~35GHz
VSWR:	1.10 max. @DC~10GHz 1.20 max. @10~26.5GHz 1.25 max. @26.5~40GHz (Outline A)
Impedance of Dielectric:	1000M Ω (250V) (Outline A) 5000M Ω (500V) min.
Voltage Withstand ^{*1} :	500V
Impedance:	50 Ω

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

Mechanical

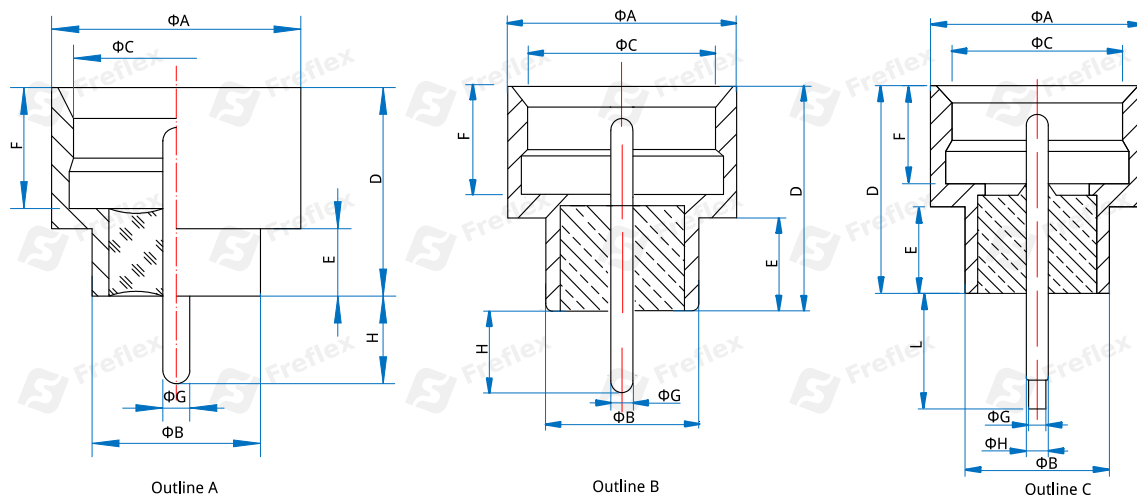
RF Connector:	SMP male
Mating Life Cycle:	100 cycles
Detent Mode:	Full detent
Outer Conductor:	Gold-plated and nickel-plated kovar alloy (4J29) (Outline B, C) Gold plated kovar alloy (4J29)
Dielectric:	Glass
Inner Conductor:	Gold-plated and nickel-plated kovar alloy (4J29) (Outline B, C) Gold plated kovar alloy (4J29)

Environmental

Temperature:	-65~+165°C (Outline B, C)
Seal:	1.013*10 ⁻³ Pa.cm ³ /s (He) max. (Outline B, C)
Salt Fog ^{*2} :	48h min. (Outline B, C)

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

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.05\text{mm}$ [$\pm 0.002\text{in}$]

Part Number	A	B	C	D	E	F	G	H	L	Outline Drawings
FCPF-MO-M38-01	3.7 [.146]	2.5 [.098]	3 [.118]	3.1 [.146]	1 [.039]	1.8 [.071]	0.38 [.015]	1.3 [.051]	-	Outline A
FCPF-MO-M38-02	4.2 [.165]	2.5 [.098]	2.95 [.116]	4.6 [.181]	1.5 [.059]	2.8 [.11]	0.38 [.015]	1.25 [.049]	-	Outline B
FCPF-MO-M40-01	3.7 [.146]	2.5 [.098]	2.95 [.116]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.4 [.016]	1.3 [.051]	-	Outline B
FCPF-MO-M38-03	3.7 [.146]	2.5 [.098]	2.95 [.116]	3.6 [.142]	1.5 [.059]	1.7 [.067]	0.38 [.015]	3.2 [.126]	-	Outline B
FCPF-MO-M38-04	3.7 [.146]	2.5 [.098]	2.95 [.116]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.38 [.015]	0.9 [.035]	-	Outline B
FCPF-MO-M38-05	3.7 [.146]	2.5 [.098]	2.95 [.116]	3.6 [.142]	1.6 [.063]	1.75 [.069]	0.38 [.015]	1.66 [.065]	-	Outline B
FCPF-MO-M38-06	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 C