

FCGF-MO-M

SSMP Connector, DC~65GHz

Features:
* Low VSWR

Applications:
* Wireless
* Radar
* Instruments
* Electronics

Electrical

Frequency:	DC~65GHz (Outline A~C) DC~45GHz
VSWR:	1.25 max. (Outline A~C)
Impedance of Dielectric:	1000MΩ (500V DC) min. (Outline D~F)
Voltage Withstand* ¹ :	325V (Outline D~F)
Impedance:	50Ω

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

Environmental

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

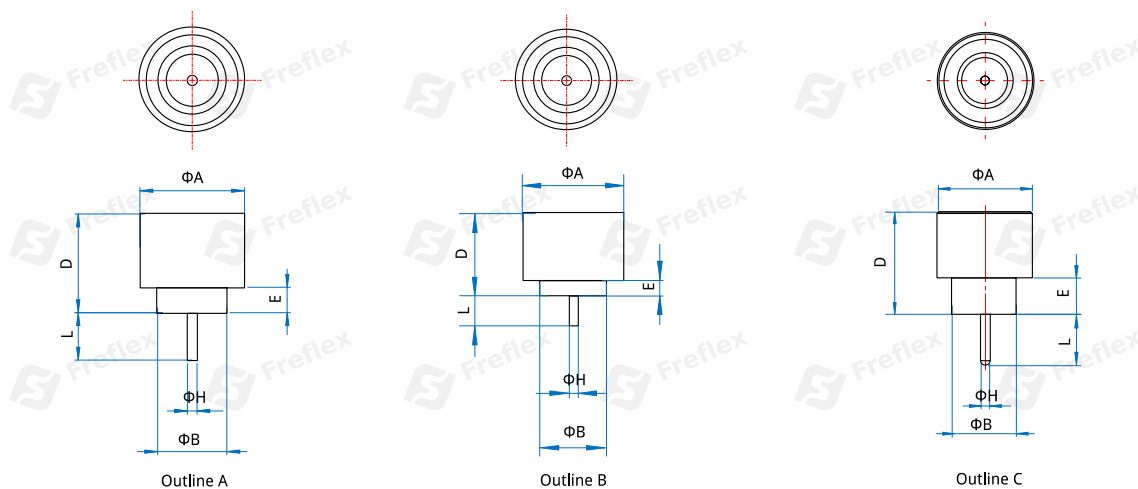
[2] According to customer requirements, it can reach 96 hours.

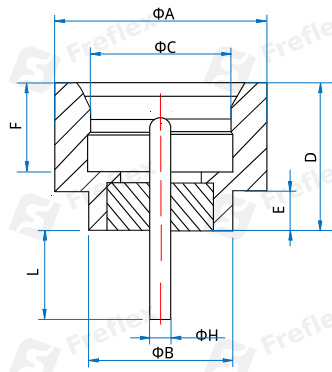
Mechanical

RF Connector* ³ :	SSMP male
Mating Life Cycle:	100 cycles
Detent Mode:	Full detent
Outer Conductor:	Gold plated kovar alloy (4J29) (Outline A~C) Gold-plated and nickel-plated kovar alloy (4J29)
Dielectric:	Glass
Inner Conductor:	Gold plated kovar alloy (4J29) (Outline A~C) Gold-plated and nickel-plated kovar alloy (4J29)

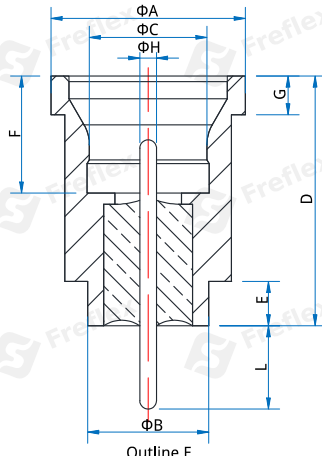
[3] Mateable with GPPO, SMPM & Mini-SMP.

Outline Drawings

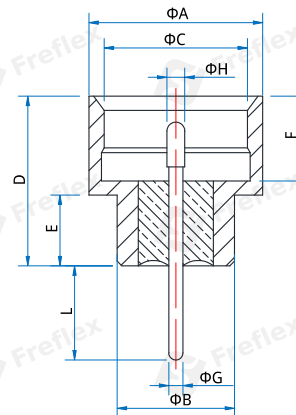




Outline D



Outline E



Outline F

Unit: mm [in]

Tolerance: $\pm 0.2\text{mm}$ [$\pm 0.008\text{in}$]

Part Number	A	B	C	D	E	F	G	H	L	Outline Drawings
FCGF-MO-M30-01	3.3 [.13]	2.18 [.086]	-	3.11 [.122]	0.8 [.031]	-	-	0.3 [.012]	1.5 [.059]	Outline A
FCGF-MO-M30-02	3.3 [.13]	2.2 [.087]	-	2.75 [.108]	0.5 [.02]	-	-	0.3 [.012]	1 [.039]	Outline B
FCGF-MO-M30-03	3.3 [.13]	2.2 [.087]	-	3.6 [.142]	1.3 [.051]	-	-	0.3 [.012]	1.8 [.071]	Outline C
FCGF-MO-M30-04	3.2 [.126]	2.2 [.087]	2.12 [.083]	2.12 [.083]	0.6 [.024]	1.3 [.051]	-	0.3 [.012]	1.3 [.051]	Outline D
FCGF-MO-M30-05	3.5 [.138]	2.18 [.086]	2.12 [.083]	4.5 [.177]	0.8 [.031]	2.11 [.083]	-	0.3 [.012]	1.5 [.059]	Outline D
FCGF-MO-M30-06	3.2 [.126]	2.2 [.087]	2.12 [.083]	3.58 [.141]	1.27 [.05]	2.11 [.083]	-	0.3 [.012]	1.8 [.071]	Outline D
FCGF-MO-M30-07	3.3 [.13]	2.18 [.086]	2.12 [.083]	3.58 [.141]	1.27 [.05]	2.11 [.083]	-	0.3 [.012]	1.8 [.071]	Outline D
FCGF-MO-M30-08	3.2 [.126]	2.2 [.087]	2.12 [.083]	3.2 [.126]	0.8 [.031]	2.11 [.083]	-	0.3 [.012]	1.3 [.051]	Outline D
FCGF-MO-M30-09	3.2 [.126]	2.2 [.087]	2.12 [.083]	2.2 [.087]	0.6 [.024]	1.3 [.051]	-	0.3 [.012]	1 [.039]	Outline D
FCGF-MO-M30-10	3.2 [.126]	2.2 [.087]	2.12 [.083]	2.2 [.087]	0.6 [.024]	1.4 [.055]	-	0.3 [.012]	1.1 [.043]	Outline D
FCGF-MO-M30-11	3.3 [.13]	2.18 [.086]	2.12 [.083]	3.58 [.141]	1.28 [.05]	2.11 [.083]	-	0.3 [.012]	0.6 [.024]	Outline D
FCGF-MO-M30-12	3.3 [.13]	2.18 [.086]	2.12 [.083]	3.58 [.141]	1.28 [.05]	2.11 [.083]	-	0.3 [.012]	2.2 [.087]	Outline D
FCGF-MO-M30-13	2.8 [.11]	2.2 [.087]	2.12 [.083]	3.6 [.142]	1.3 [.051]	1.7 [.067]	-	0.3 [.012]	1.7 [.067]	Outline D
FCGF-MO-M30-14	3.2 [.126]	2.2 [.087]	2.12 [.083]	2.2 [.087]	0.6 [.024]	1.3 [.051]	-	0.3 [.012]	1.3 [.051]	Outline D
FCGF-MO-M30-15	3 [.118]	2.18 [.086]	2.12 [.083]	3.2 [.126]	1.3 [.051]	1.7 [.067]	-	0.3 [.012]	1.5 [.059]	Outline D
FCGF-MO-M30-16	3.2 [.126]	2.2 [.087]	2.13 [.084]	3.5 [.138]	0.8 [.031]	2.1 [.083]	-	0.3 [.012]	1 [.039]	Outline D
FCGF-MO-M30-17	3.3 [.13]	2.18 [.086]	2.13 [.084]	3.11 [.122]	0.8 [.031]	2.11 [.083]	-	0.3 [.012]	1.5 [.059]	Outline D
FCGF-MO-M30-18	3.2 [.126]	2.2 [.087]	2.12 [.083]	3.58 [.141]	1.28 [.05]	2.11 [.083]	-	0.3 [.012]	1.3 [.051]	Outline D
FCGF-MO-M30-19	3.3 [.13]	2.18 [.086]	2.18 [.086]	3.58 [.141]	1.27 [.05]	2.11 [.083]	-	0.3 [.012]	1.93 [.076]	Outline D
FCGF-MO-M30-20	3.5 [.138]	2.18 [.086]	2.12 [.083]	4.5 [.177]	0.8 [.031]	2.11 [.083]	0.7 [.028]	0.3 [.012]	1.5 [.059]	Outline E
FCGF-MO-M30-21	3.7 [.146]	2.5 [.098]	3.05 [.12]	3.6 [.142]	1.5 [.059]	1.8 [.071]	0.3 [.012]	0.38 [.015]	2 [.079]	Outline F