

## FCGS-MTO-M30-01

### SSMP Connector, DC~45GHz

Features:  
\* Low VSWR

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

#### Electrical

Frequency:	DC~45GHz
Impedance of Dielectric:	1000M $\Omega$ (500V DC) min.
Voltage Withstand <sup>*1</sup> :	325V
Impedance:	50 $\Omega$

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

#### Mechanical

RF Connector <sup>*2</sup> :	SSMP male
Mating Life Cycle:	500 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)

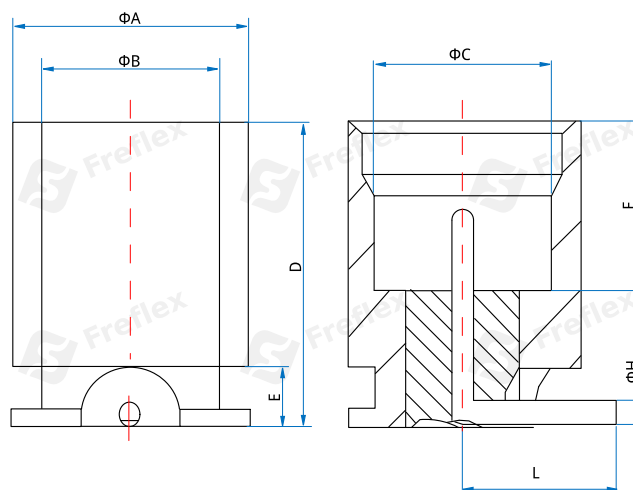
[2] Mateable with GPPO, SMPM & Mini-SMP.

#### Environmental

Temperature:	-65~+165°C
Seal:	1.013*10 <sup>-3</sup> Pa.cm <sup>3</sup> /s (He) max.
Salt Fog <sup>*3</sup> :	48h min.

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

#### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

A	B	C	D	E	F	H	L
4.2 [.165]	3.2 [.126]	3.17 [.125]	5.1 [.201]	1 [.039]	2.8 [.11]	0.3 [0.012]	2.75 [.108]

#### How To Order

**FCGS-MTO-M30-01**

Customization is available upon request.