

- DC to 40 GHz
- Excellent VSWR
- MIL-STD-202 qualified

► Specification

Electrical

Frequency	DC to 18 GHz DC to 40 GHz	
Impedance	50 Ω	
VSWR	DC to 18 GHz	1.2 : 1 typical
	18 to 40 GHz	1.45 : 1 typical
Insulation Resistance	Min 5,000 MΩ	
Dielectric Withstand Voltage	500 Vrms (@ sea level) 125 Vrms (@ 70,000ft)	
Contact Resistance		
- Outer Conductor	2.0 mΩ max.	
- Inner Conductor	6.0 mΩ max.	
Insertion Loss	0.1 * √ f (GHz)	
RF Leakage	-70 dB @ 3 GHz	

Mechanical

Axial Misalignment	0 ~ 0.25 mm
Radial Misalignment	+ / - 0.25 mm
Center to Center Spacing (min)	0.17 in (4.32 mm)

Environmental

Temperature	- 40°C to + 125°C
Thermal Shock	MIL-STD-202, method 107
Corrosion (Salt Spray)	MIL-STD-202, method 101
Shock	MIL-STD-202, method 213
Vibration	MIL-STD-202, method 204
Moisture Resistance	MIL-STD-202, method 106

Materials

Body	Stainless Steel Beryllium Copper (BeCu) Brass	Passivated Gold Plated Gold Plated
Center Contact	Beryllium Copper (BeCu) Brass	Gold Plated Gold Plated
Insulator	PTFE	-

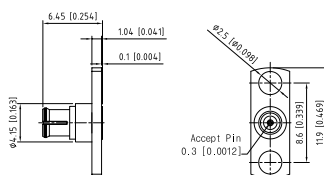
Mechanical Force for Shrouds (male type)

	Full Detent	Limited Detent	Smooth Bore
Force to Engage (max.)	6.8 kg	4.5 kg	0.9 kg
Force to Disengage (min)	2.3 kg	0.9 kg	0.2 kg
Mating cycle	100	500	1,000

► JACK (Female)

Unit : mm [Inch]

Panel Mount (2 HOLE, 11.9 mm LONG) 40GHz


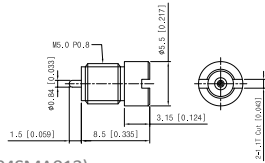

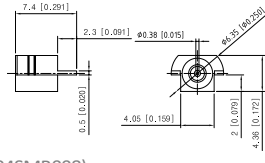



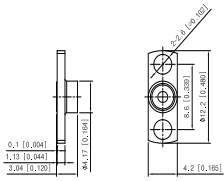


• Part No. PPF-S00-000 (G04SFA001)

SMP Connectors


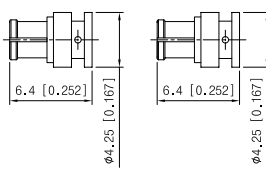

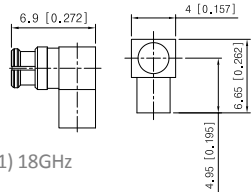
► PLUG (Male)

Unit : mm [Inch]

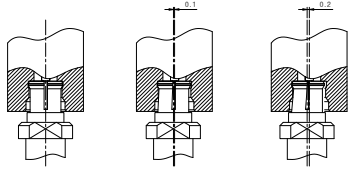
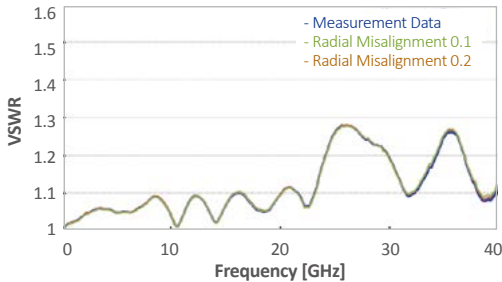
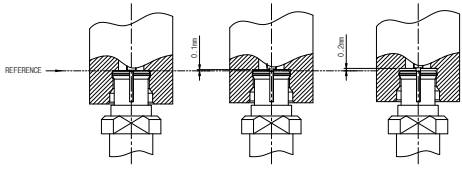
PCB Thread-in <18 GHz>		PCB Edge Mount <18 GHz>	
			
<ul style="list-style-type: none"> Type. Full PPM-S02-F00 (G04SMA013) Limited PPM-S02-L00 (G04SMA012) Smooth PPM-S02-S00 (G04SMA010) 	<ul style="list-style-type: none"> Type. Full PPM-S03-F00 (G04SMB008) Limited PPM-S03-L00 (G04SMB011) Smooth PPM-S03-S00 (G04SMB014) 		
<ul style="list-style-type: none"> Type. Full PPM-R00-F00 (G04RMA001) Limited PPM-R00-L00 (G04RMA002) Smooth PPM-R00-S00 (G04RMA003) VSWR 1.45 : 1 	<ul style="list-style-type: none"> Type. Full PPM-S02-F01 (G04SMA007) Limited PPM-S02-L01 (G04SMA008) Smooth PPM-S02-S01 (G04SMA009) 	<h3>2 HOLE Panel Shroud (No Center Contact)</h3>   <ul style="list-style-type: none"> Type. Full PPM-S00-F00 (G04SMA001) Limited PPM-S00-L00 (G04SMA002) Smooth PPM-S00-S00 (G04SMA003) 	

► SMP Connectors for Cable Assemblies

Unit : mm [Inch]

Straight JACK (SR085, SF085)		Right Angle JACK (SR085, SF085)	
			
<ul style="list-style-type: none"> Type. 10GHZ PFS01 (G04SFC001) 40GHZ G04SFC002 VSWR 1.45 : 1 	<ul style="list-style-type: none"> Type. 18GHz PFR01 (G04RFC001) VSWR 1.45 : 1 		

► Test Result of SMP Connectors

Radial Mis-Alignment Condition	Axial Mis-Alignment Condition
 <p>SMP(M) to 2.92 mm(F) Adapter</p> 	 <p>SMP(M) to 2.92 mm(F) Adapter</p> 