

Withwave's 2.92 mm Connectors are specially designed for RF/microwave application and offer compatible mating style to SMA, 3.5 mm connectors. This field replaceable connectors are easy to install /replace and precision manufacturing allows superior electrical performance up to 40 GHz. These connectors are available with four mounting configurations and assembly is preciously controlled to ensure consistency of performance.



■ Specification

Scope	Items	Specification
Electrical	Freq. range	DC to 40 GHz
	Impedance	50 Ohm
	VSWR(Max)	1.15 :1 (DC to 18 GHz) 1.25 :1 (18 to 40 GHz)
	Insulation Resistance (Min)	5,000 megaohms
	RF Leakage	-90 dB
Material	Body	Stainless Steel (Passivated)
	Center Contact	BeCu (gold plated)
	Insulator	Special Dielectric
Environmental	Temperature	-40 to +135 degree
	Thermal Shock	MIL-STD-202, Method 107, Condition B
	Corrosion	MIL-STD-202, Method 101, Condition B
	Vibration	MIL-STD-202, Method 204, Condition D
	Moisture Resistance	MIL-STD-202, Method 106

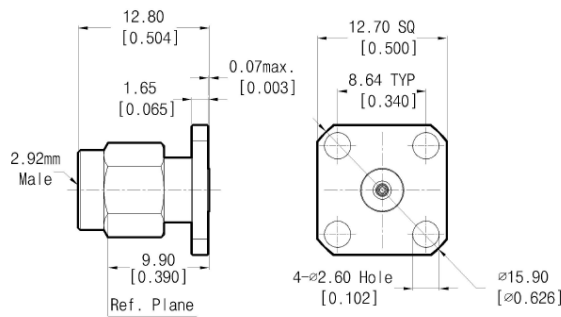
*RoHS Compliant

Drawing 2.92 mm Jack (Female)

<div><div>4 Hole (12.7 mm SQ)</div><div><div><table><tr><th>Accept Pin Dia.</th><th>Part No.</th></tr><tr><td>0.012"</td><td>PM03FS031</td></tr><tr><td>0.020"</td><td>PM03FS032</td></tr></table></div></div></div>	Accept Pin Dia.	Part No.	0.012"	PM03FS031	0.020"	PM03FS032
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0.020"	PM03FS032					
<div><div>4 Hole (9.51 mm SQ)</div><div><div><table><tr><th>Accept Pin Dia.</th><th>Part No.</th></tr><tr><td>0.012"</td><td>PM03FS035</td></tr><tr><td>0.020"</td><td>PM03FS036</td></tr></table></div></div></div>	Accept Pin Dia.	Part No.	0.012"	PM03FS035	0.020"	PM03FS036
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<div><div>2 Hole (15.88 mm Long)</div><div><div><table><tr><th>Accept Pin Dia.</th><th>Part No.</th></tr><tr><td>0.012"</td><td>PM03FS039</td></tr><tr><td>0.020"</td><td>PM03FS040</td></tr></table></div></div></div>	Accept Pin Dia.	Part No.	0.012"	PM03FS039	0.020"	PM03FS040
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0.020"	PM03FS044					

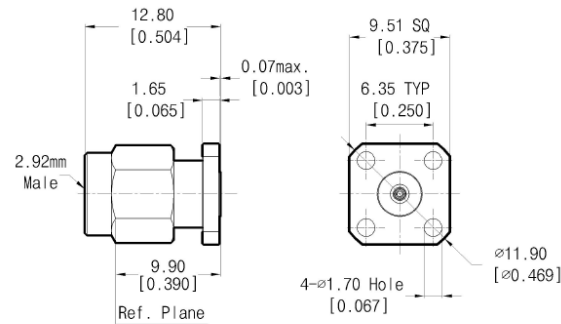
Drawing 2.92 mm Plug (Male)

4 Hole (12.7 mm SQ)



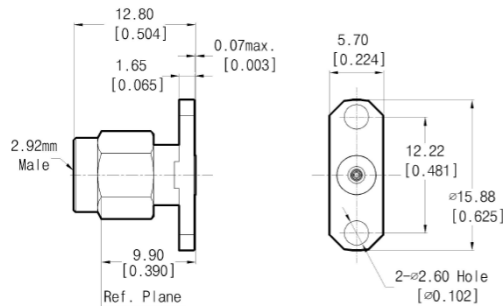
Accept Pin Dia.	Part No.
0.012" 0.020"	PM03MS031 PM03MS032

4 Hole (9.51 mm SQ)



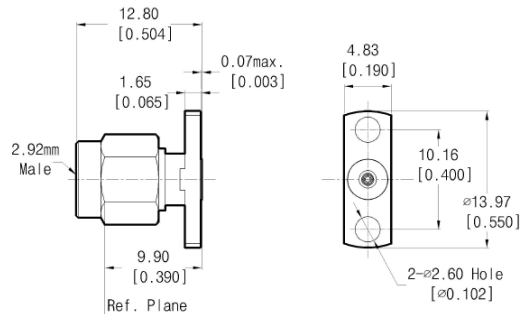
Accept Pin Dia.	Part No.
0.012" 0.020"	PM03MS035 PM03MS036

2 Hole (15.88 mm Long)



Accept Pin Dia.	Part No.
0.012" 0.020"	PM03MS039 PM03MS040

2 Hole (13.97 mm Long)



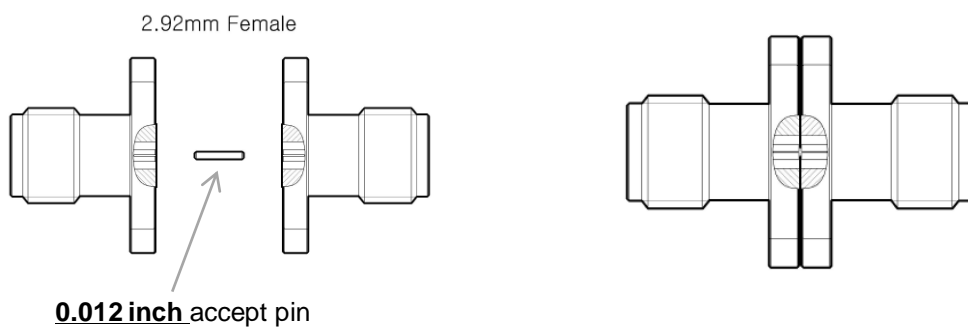
Accept Pin Dia.	Part No.
0.012" 0.020"	PM03MS043 PM03MS044

■ Test Result

Back-to-Back Test

Female Type

Part No : PM03FS035



- Freq. Range : 10 MHz ~40 GHz
- Insertion & Return Loss Measurement

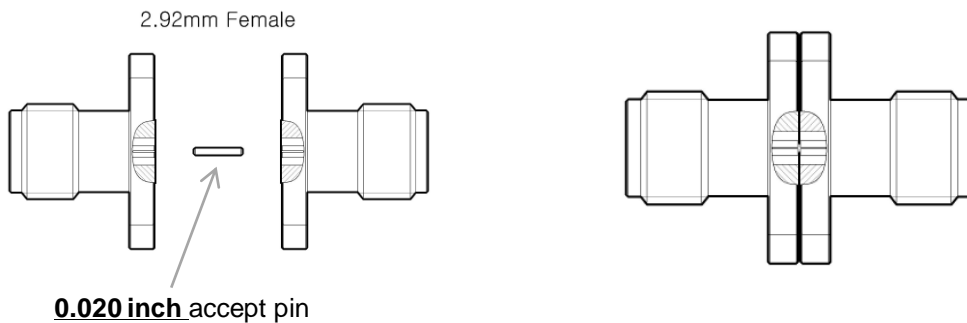


■ Test Result

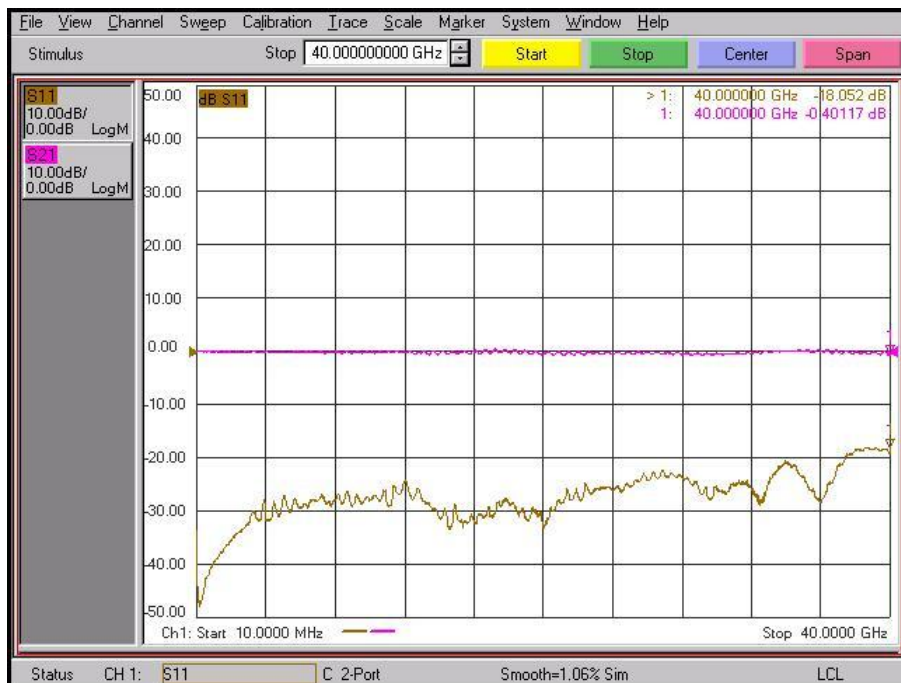
Back-to-Back Test

Female Type

Part No : PM03FS036



- Freq. Range : 10 MHz ~40 GHz
- Insertion & Return Loss Measurement

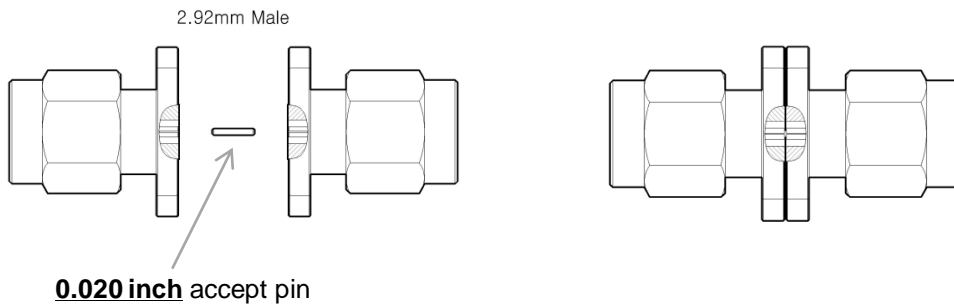


■ Test Result

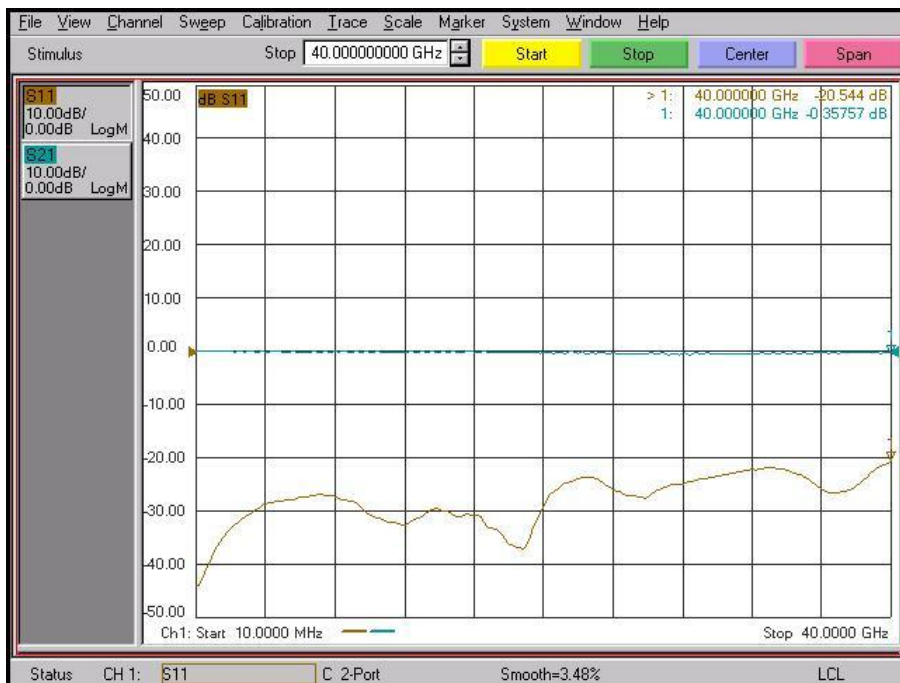
Back-to-Back Test

Male Type

Part No : PM03MS036



- Freq. Range : 10 MHz ~40 GHz
- Insertion & Return Loss Measurement



Competitive cross-Reference

• 4 Hole 0.500" Square

Female type

Accept Pin Dia.	Southwest P/N	Withwave P/N
0.012"	1012-01SF	PM03FS031
0.020"	1012-05SF	PM03FS032

Male type

Accept Pin Dia.	Southwest P/N	Withwave P/N
0.012"	1011-01SF	PM03MS031
0.020"	1011-05SF	PM03MS032

• 4 Hole 0.375" Square

Female type

Accept Pin Dia.	Southwest P/N	Withwave P/N
0.012"	1012-11SF	PM03FS035
0.020"	1012-16SF	PM03FS036

Male type

Accept Pin Dia.	Southwest P/N	Withwave P/N
0.012"	1011-11SF	PM03MS035
0.020"	1011-15SF	PM03MS036

• 2 Hole 0.625" Long

Female type

Accept Pin Dia.	Southwest P/N	Withwave P/N
0.012"	1014-01SF	PM03FS039
0.020"	1014-05SF	PM03FS040

Male type

Accept Pin Dia.	Southwest P/N	Withwave P/N
0.012"	1013-01SF	PM03MS039
0.020"	1013-05SF	PM03MS040

• 2 Hole 0.550" Long

Female type

Accept Pin Dia.	Southwest P/N	Withwave P/N
0.012"	1014-11SF	PM03FS043
0.020"	1014-15SF	PM03FS044

Male type

Accept Pin Dia.	Southwest P/N	Withwave P/N
0.012"	1013-11SF	PM03MS043
0.020"	1013-15SF	PM03MS044