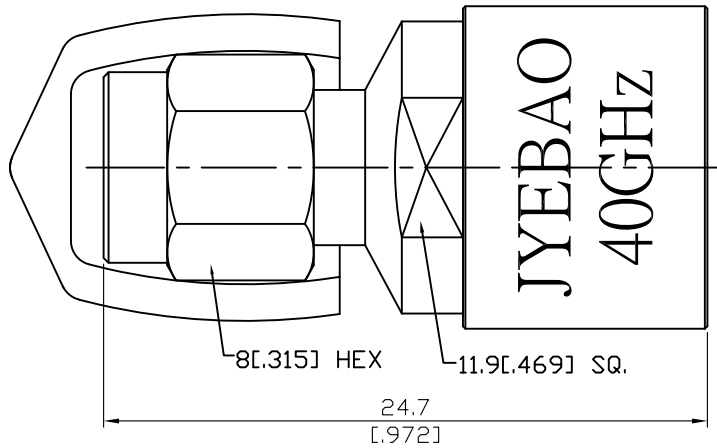


S-2.92-M-40G

2.92mm Plug 50ohm Short  
40GHz 0.2dB

50Ω



SHORT				
Frequency Range	DC-40GHz			
Impedance	50Ω			
Offset length	Agilent	Anritsu	Rohde&Schwarz	
	16.70ps	5.01mm	5.01mm	
Inductance	Agilent/Anritsu		Rohde&Schwarz	
	L0	(1E-12) H	4.000	pH
L1	(1E-24) H/Hz	-650.000	pH/GHz	-0.6500000
L2	(1E-33) H/Hz <sup>2</sup>	39.000	pH/GHz <sup>2</sup>	0.0390000
L3	(1E-42) H/Hz <sup>3</sup>	-0.640	pH/GHz <sup>3</sup>	-0.0006400
Phase Error				
DC-6GHz	≤1°			
6-26.5GHz	≤2°			
26.5-40Ghz	≤3°			
Return Loss				
DC-18GHz	≤0.10dB			
18-40GHz	≤0.20dB			

Notes:

1. Temperature range for optimal results: +20 °C to +26 °C
2. Storage temperature range: -20 °C to +75°C
3. When not in use put on cap to keep connector clean
4. Return loss test results shipped along with goods (example below)
5. Use with Jyebao open O-2.92-M-40G

Parts	Material	Plating ( Micro-inch )
Cover	Aluminium	Anodized(Green)
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Cap	PVC	

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

Test equipment	MS4647B NETWORK ANALYZER
Return Loss	Test result
Short	<p>SoftPlot Measurement Presentation</p> <p>dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <ul style="list-style-type: none"> <li>1 S11 ∇ 1.0900 GHz 0.03 dB</li> <li>2 S11 ∇ 24.3100 GHz -0.16 dB</li> </ul> <p>PASS</p>

Test equipment	MS4647B NETWORK ANALYZER	
Phase error	TOSLK50A-40	S-2.92-M-40G
Short	<p>SoftPlot Measurement Presentation</p> <p>degs</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <ul style="list-style-type: none"> <li>1 S11 ∇ 6.0000 GHz 107.69 degs</li> <li>2 S11 ∇ 26.5000 GHz -139.38 degs</li> <li>3 S11 ∇ 40.0000 GHz 59.23 degs</li> </ul>	<p>SoftPlot Measurement Presentation</p> <p>degs</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <ul style="list-style-type: none"> <li>1 S11 ∇ 6.0000 GHz 108.41 degs</li> <li>2 S11 ∇ 26.5000 GHz -139.55 degs</li> <li>3 S11 ∇ 40.0000 GHz 58.82 degs</li> </ul>