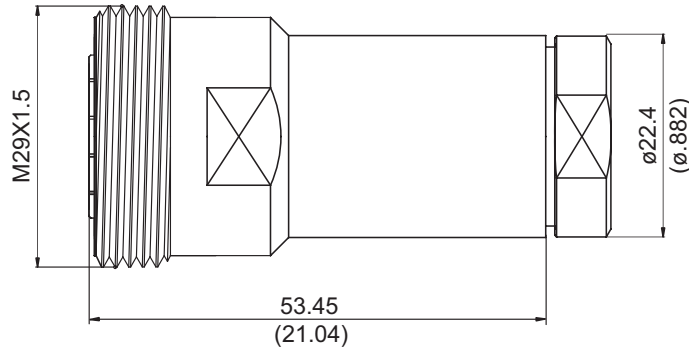


7/16-8200B-1/2B

7/16 jack clamp for 1/2"
7.5GHz VSWR 1.25

50Ω



Parts	Material	Plating(Micro-inch)
Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Contact Pin	Phosphor Bronze	Silver 150 Over Copper 50
Insulator	Teflon	

Weight: 140.36 g

Suitable Cables: FSJ4-50B, RFF 1/2"-50

This part number complies with RoHS.

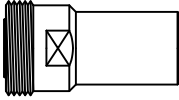

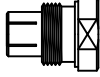

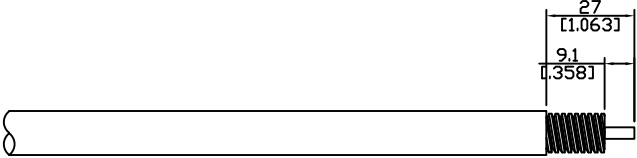
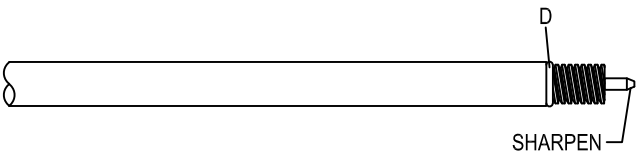
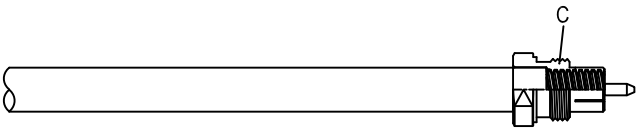
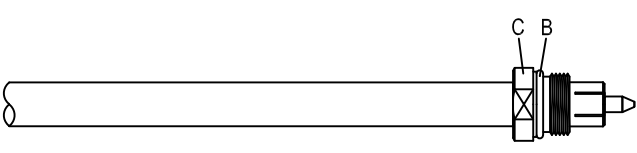
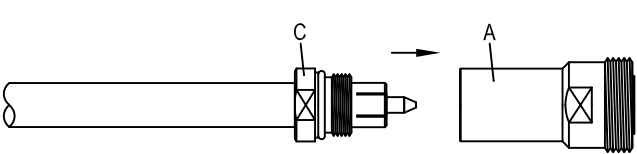
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

7/16	7/16-8200B-1/2B																				
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> IEC 60169-4																					
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Impedance</td> <td style="text-align: right;">50Ω</td> </tr> <tr> <td>Frequency range</td> <td style="text-align: right;">DC to 7.5GHz</td> </tr> <tr> <td>VSWR</td> <td style="text-align: right;">≤ 1.25 (DC to 7.5GHz)</td> </tr> <tr> <td>Insertion loss</td> <td style="text-align: right;">≤ 0.05dB</td> </tr> <tr> <td>Insulation resistance</td> <td style="text-align: right;">≥ 10000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td style="text-align: right;">≤ 0.4mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td style="text-align: right;">≤ 1.5mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td style="text-align: right;">4000 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td style="text-align: right;">2700 V rms</td> </tr> <tr> <td>RF leakage</td> <td style="text-align: right;">≥ 128dB to 1GHz</td> </tr> </table>		Impedance	50Ω	Frequency range	DC to 7.5GHz	VSWR	≤ 1.25 (DC to 7.5GHz)	Insertion loss	≤ 0.05dB	Insulation resistance	≥ 10000MΩ	Contact resistance inner conductor	≤ 0.4mΩ	Contact resistance outer conductor	≤ 1.5mΩ	Dielectric withstanding voltage (at sea level)	4000 V rms	Working Voltage (at sea level)	2700 V rms	RF leakage	≥ 128dB to 1GHz
Impedance	50Ω																				
Frequency range	DC to 7.5GHz																				
VSWR	≤ 1.25 (DC to 7.5GHz)																				
Insertion loss	≤ 0.05dB																				
Insulation resistance	≥ 10000MΩ																				
Contact resistance inner conductor	≤ 0.4mΩ																				
Contact resistance outer conductor	≤ 1.5mΩ																				
Dielectric withstanding voltage (at sea level)	4000 V rms																				
Working Voltage (at sea level)	2700 V rms																				
RF leakage	≥ 128dB to 1GHz																				
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Recommended coupling nut torque</td> <td style="text-align: right;">260 inch lbs</td> </tr> <tr> <td>Coupling proof torque</td> <td style="text-align: right;">310 inch lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td style="text-align: right;">≥ 45 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td style="text-align: right;">≥ 500</td> </tr> </table>		Recommended coupling nut torque	260 inch lbs	Coupling proof torque	310 inch lbs	Contact captivation-axial	≥ 45 lbs	Durability (mating)	≥ 500												
Recommended coupling nut torque	260 inch lbs																				
Coupling proof torque	310 inch lbs																				
Contact captivation-axial	≥ 45 lbs																				
Durability (mating)	≥ 500																				
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Temperature range</td> <td style="text-align: right;">-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td style="text-align: right;">MIL-STD-202, Method107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td style="text-align: right;">MIL-STD-202, Method106</td> </tr> <tr> <td>Corrosion</td> <td style="text-align: right;">MIL-STD-202, Method101, Condition B</td> </tr> <tr> <td>RoHS</td> <td style="text-align: right;">Compliant</td> </tr> </table>		Temperature range	-65°C to +165°C	Thermal shock	MIL-STD-202, Method107, Condition B	Moisture resistance	MIL-STD-202, Method106	Corrosion	MIL-STD-202, Method101, Condition B	RoHS	Compliant										
Temperature range	-65°C to +165°C																				
Thermal shock	MIL-STD-202, Method107, Condition B																				
Moisture resistance	MIL-STD-202, Method106																				
Corrosion	MIL-STD-202, Method101, Condition B																				
RoHS	Compliant																				
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div>																					

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

7/16-8200B-1/2B	DATE	2018/06/01	REV	—
A	B	C	D	
				
BODY	O-RING	NUT	O-RING	
DIAGRAM		ASSEMBLY INSTRUCTION		
		Step 1: STRIP AS SHOWN.		
		Step 2: PUT VASELINE ON " D " AND SLIDE O-RING " D " OVER CABLE. Step 3: SHARPEN CENTER CONDUCTOR TIP.		
		Step 4: SLIDE NUT " C " OVER CABLE.		
		Step 5: PUT VASELINE ON " B " AND SLIDE O-RING " B " OVER THE NUT " C ".		
		Step 6: FINALLY SCREW NUT " C " ON THE CONNECTOR BODY " A ".		
<p>This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.</p>				
APPROVED	CHECKED	DRAWING		<i>Albert</i>

7/16-8200B-1/2B

S11

