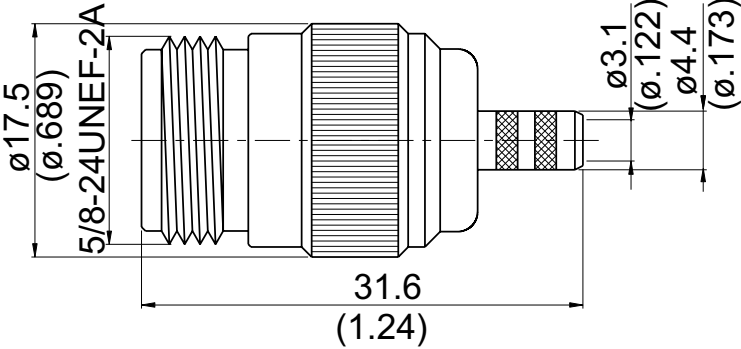


N8100-0223	N Jack Crimp For RG223; 6GHz VSWR 1.2		50Ω
			
Parts	Material	Plating (Micro-inch)	
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	
Insulator	Teflon		
Weight: 32.2 g Suitable Cables: RG223			

This part number complies with RoHS.

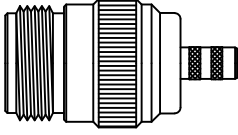
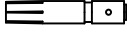


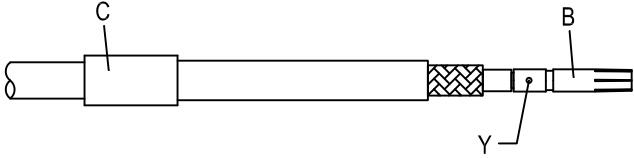
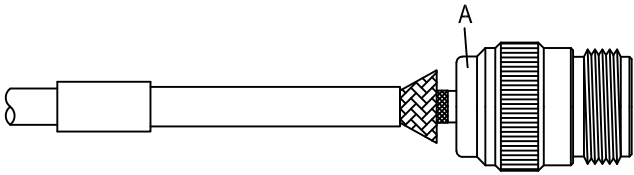
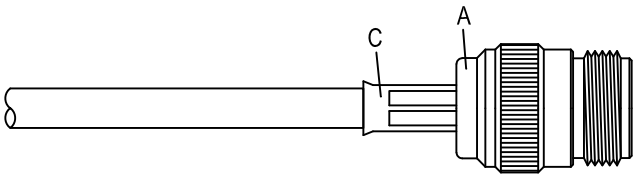
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

N	N8100-0223																		
<div data-bbox="167 344 568 394" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p>																			
<div data-bbox="167 510 568 560" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Impedance</td> <td>50Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 6GHz</td> </tr> <tr> <td>VSWR</td> <td>≤ 1.2 (DC to 6GHz)</td> </tr> <tr> <td>Insertion loss</td> <td>≤ 0.05 x √f(GHz) dB</td> </tr> <tr> <td>Insulation resistance</td> <td>≥ 5000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td>≤ 1.5mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td>≤ 1mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td>2500 V rms</td> </tr> <tr> <td>Working voltage (at sea level)</td> <td>1000 V rms</td> </tr> </table>		Impedance	50Ω	Frequency range	DC to 6GHz	VSWR	≤ 1.2 (DC to 6GHz)	Insertion loss	≤ 0.05 x √f(GHz) dB	Insulation resistance	≥ 5000MΩ	Contact resistance inner conductor	≤ 1.5mΩ	Contact resistance outer conductor	≤ 1mΩ	Dielectric withstanding voltage (at sea level)	2500 V rms	Working voltage (at sea level)	1000 V rms
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<div data-bbox="167 1057 568 1106" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Recommended coupling nut torque</td> <td>6 to 10 inch lbs</td> </tr> <tr> <td>Coupling proof torque</td> <td>15 inch lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td>≥ 6.3 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≥ 500</td> </tr> </table>		Recommended coupling nut torque	6 to 10 inch lbs	Coupling proof torque	15 inch lbs	Contact captivation-axial	≥ 6.3 lbs	Durability (mating)	≥ 500										
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<div data-bbox="167 1411 568 1460" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Temperature range</td> <td>-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td>MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td>MIL-STD-202, Method 106</td> </tr> <tr> <td>Corrosion</td> <td>MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td>Compliant</td> </tr> </table>		Temperature range	-65°C to +165°C	Thermal shock	MIL-STD-202, Method 107, Condition B	Moisture resistance	MIL-STD-202, Method 106	Corrosion	MIL-STD-202, Method 101, Condition B	RoHS	Compliant								
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<div data-bbox="167 1765 568 1814" style="border: 1px solid black; padding: 2px;">Tooling</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Crimping tool</td> <td>CRT-1 or CRT-2</td> </tr> <tr> <td>Crimp insert</td> <td>INSERT-B</td> </tr> </table>		Crimping tool	CRT-1 or CRT-2	Crimp insert	INSERT-B														
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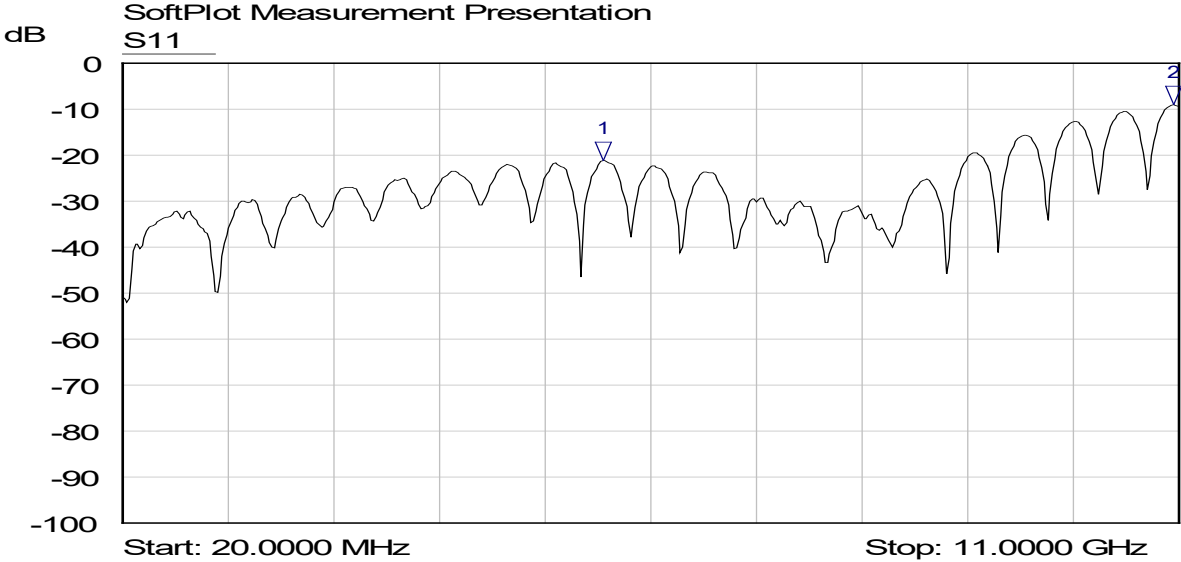
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JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

N8100-0223	DATE	2020/09/10	REV	A
A	B	C		
				
BODY	CONTACT PIN	FERRULE		
DIAGRAM	ASSEMBLY INSTRUCTION			
	Step 1: STRIP AS SHOWN.			
	Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 2.4mm/0.094inch SECTION OF INSERT-B IF CRIMPED)			
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.			
	Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.9mm/0.232inch HEX SECTION OF INSERT-B)			
<p>This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.</p>				
APPROVED	CHECKED	DRAWING	<i>Albert</i>	

N8100-0223



Mkr	Trace	X-Axis	Value	Notes
1 ▾	S11	5.0095 GHz	-21.09 dB	
2 ▾	S11	10.9429 GHz	-9.05 dB	