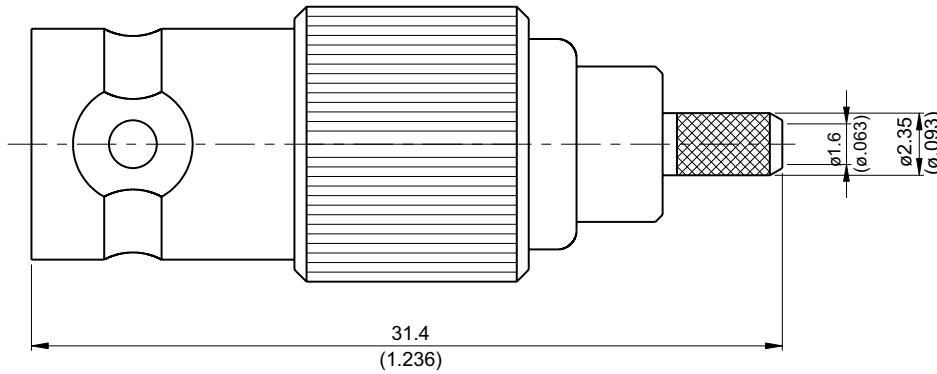


勝特力電材超市-龍山店 886-3-5773766
 勝特力電材超市-光復店 886-3-5729570
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 勝特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>

BNC8100-0316

BNC jack crimp for RG174, RG188, RG316; 50Ω
2.5GHz VSWR 1.2



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Weight: 10.46 g

Suitable Cables: RG174, RG188, RG316, RG316-FEP

This part number complies with RoHS.

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

BNC	BNC8100-0316																		
<div data-bbox="169 344 571 394" style="border: 1px solid black; padding: 2px;">Interface</div> MIL-STD-348B																			
<div data-bbox="169 510 571 560" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Impedance</td> <td style="width: 50%;">50Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 2.5GHz</td> </tr> <tr> <td>VSWR</td> <td>≤ 1.2 (DC to 2.5GHz)</td> </tr> <tr> <td>Insertion loss</td> <td>$\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB</td> </tr> <tr> <td>Insulation resistance</td> <td>$\geq 5000\text{M}\Omega$</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td>$\leq 1.5\text{m}\Omega$</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td>$\leq 1\text{m}\Omega$</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td>1500 V rms</td> </tr> <tr> <td>Working voltage (at sea level)</td> <td>500 V rms</td> </tr> </table>		Impedance	50Ω	Frequency range	DC to 2.5GHz	VSWR	≤ 1.2 (DC to 2.5GHz)	Insertion loss	$\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB	Insulation resistance	$\geq 5000\text{M}\Omega$	Contact resistance inner conductor	$\leq 1.5\text{m}\Omega$	Contact resistance outer conductor	$\leq 1\text{m}\Omega$	Dielectric withstanding voltage (at sea level)	1500 V rms	Working voltage (at sea level)	500 V rms
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<div data-bbox="169 1052 571 1102" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Recommended coupling nut torque</td> <td style="width: 50%;">0.6 to 2.5 inch lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td>≥ 6.1 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≥ 500</td> </tr> </table>		Recommended coupling nut torque	0.6 to 2.5 inch lbs	Contact captivation-axial	≥ 6.1 lbs	Durability (mating)	≥ 500												
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<div data-bbox="169 1359 571 1408" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Temperature range</td> <td style="width: 50%;">-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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RoHS	Compliant																		
<div data-bbox="169 1713 571 1762" style="border: 1px solid black; padding: 2px;">Tooling</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Crimping tool</td> <td style="width: 50%;">CRT-1 or CRT-2</td> </tr> <tr> <td>Crimp insert</td> <td>INSERT-A</td> </tr> </table>		Crimping tool	CRT-1 or CRT-2	Crimp insert	INSERT-A														
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Notice: JYEBAO reserves the right to make modifications deemed appropriate.

CABLE ASSEMBLY INSTRUCTION

BNC8100-0316	DATE	2017/02/02	REV	—
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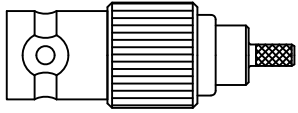



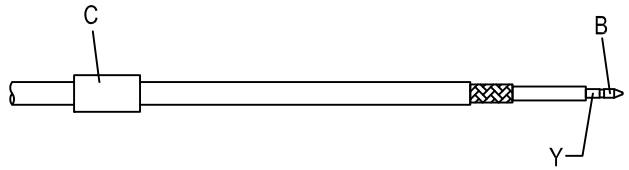
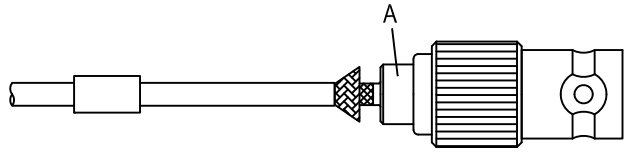
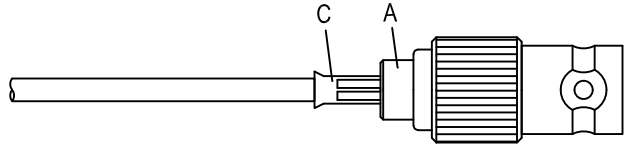
<p>A</p>  <p style="text-align: center;">BODY</p>	<p>B</p>  <p style="text-align: center;">SMALL PIN</p>	<p>C</p>  <p style="text-align: center;">FERRULE</p>
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DIAGRAM	ASSEMBLY INSTRUCTION
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	<p>Step 1: STRIP AS SHOWN.</p>
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	<p>Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND CRIMP IN " Y ". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A)</p>
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	<p>Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.</p>
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	<p>Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)</p>
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This part number complies with RoHS.

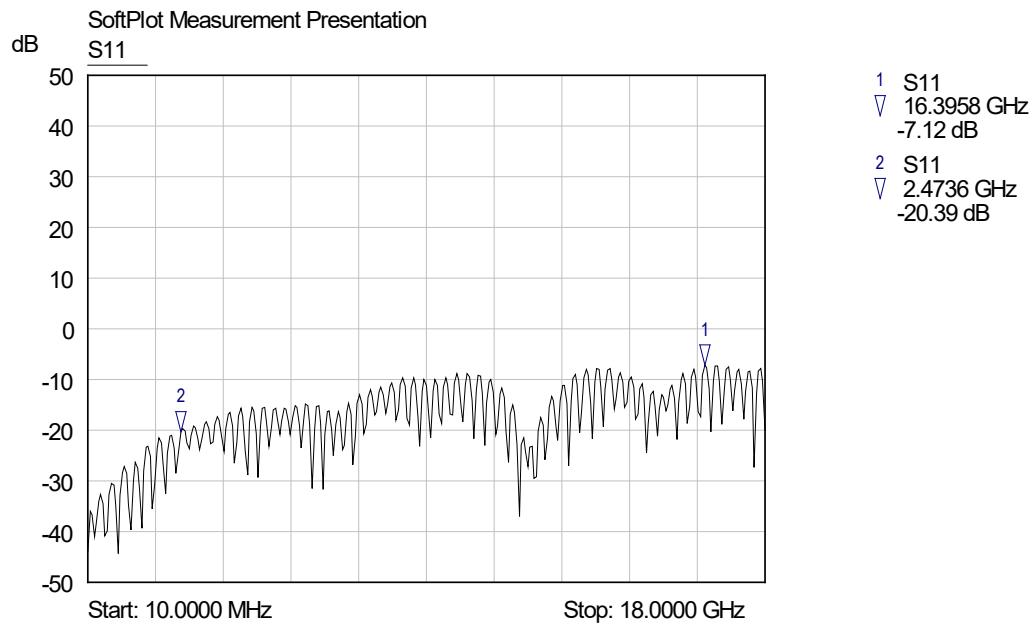
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

APPROVED	CHECKED	DRAWING
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Albert

BNC8100-0316

S11



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