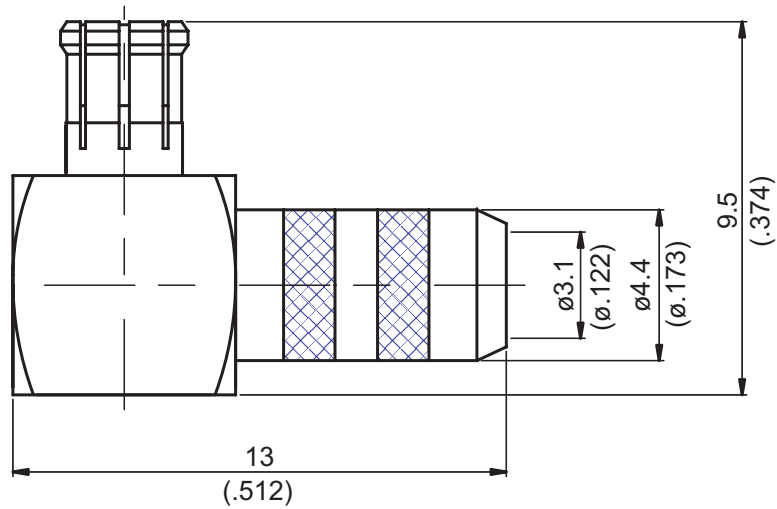


MCX3100-9223 **MCX Plug Crimp Right Angle For RG223; 50Ω**  
**3.8GHz VSWR 1.2**



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

Suitable Cables: RG223

This part number complies with RoHS.

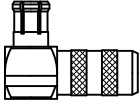




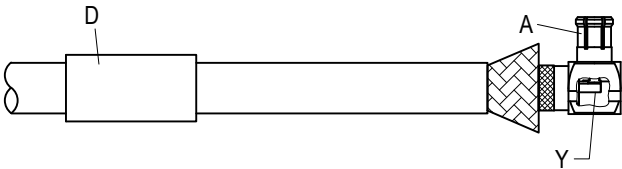
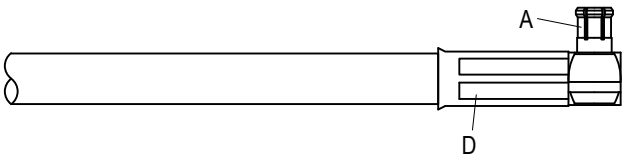
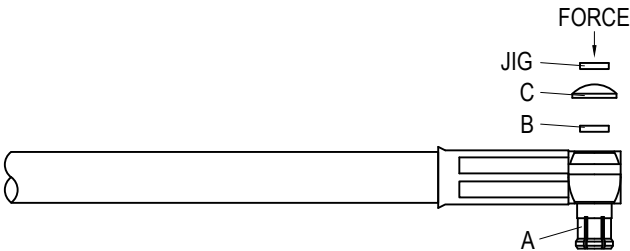
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

MCX	MCX3100-9223																		
<div data-bbox="167 344 568 394" style="border: 1px solid black; padding: 2px;">Interface</div> <p data-bbox="167 400 367 434">IEC 61169-36</p>																			
<div data-bbox="167 510 568 560" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table data-bbox="167 566 1348 985"> <tr> <td>Impedance</td> <td>50Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 3.8GHz</td> </tr> <tr> <td>VSWR</td> <td>≦ 1.2 (DC to 3.8GHz)</td> </tr> <tr> <td>Insertion loss</td> <td>≦ 0.1dB to 1GHz; ≦ 0.15 to 3GHz</td> </tr> <tr> <td>Insulation resistance</td> <td>≧ 10000mΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td>≦ 5mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td>≦ 2.5mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td>750 V rms</td> </tr> <tr> <td>Working voltage (at sea level)</td> <td>250 V rms</td> </tr> </table>		Impedance	50Ω	Frequency range	DC to 3.8GHz	VSWR	≦ 1.2 (DC to 3.8GHz)	Insertion loss	≦ 0.1dB to 1GHz; ≦ 0.15 to 3GHz	Insulation resistance	≧ 10000mΩ	Contact resistance inner conductor	≦ 5mΩ	Contact resistance outer conductor	≦ 2.5mΩ	Dielectric withstanding voltage (at sea level)	750 V rms	Working voltage (at sea level)	250 V rms
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<div data-bbox="167 1057 568 1106" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table data-bbox="167 1113 1037 1294"> <tr> <td>Engagement force</td> <td>≦ 5.6 lbs</td> </tr> <tr> <td>Disengagement force</td> <td>1.8 to 4.5 lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td>2.3 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≧ 500</td> </tr> </table>		Engagement force	≦ 5.6 lbs	Disengagement force	1.8 to 4.5 lbs	Contact captivation-axial	2.3 lbs	Durability (mating)	≧ 500										
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<div data-bbox="167 1718 568 1767" style="border: 1px solid black; padding: 2px;">Tooling</div> <table data-bbox="167 1774 1085 1854"> <tr> <td>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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# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

MCX3100-9223	DATE	2017/03/27	REV	—
A	B	C	D	
				
BODY	INSULATOR	COVER	FERRULE	
DIAGRAM		ASSEMBLY INSTRUCTION		
		Step 1: STRIP AS SHOWN.		
		Step 2: SLIDE FERRULE " D " OVER CABLE. Step 3: WRAP THE BRAIDING UPWARDS. Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ".		
		Step 5: SLIDE FERRULE " D " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.9mm/0.232inch HEX SECTION OF INSERT-B)		
		Step 6: PRESS ON THE TOP OF " C " AND " B " WITH JIGS.		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.				
APPROVED	CHECKED	DRAWING		<i>Albert</i>

# MCX3100-9223

S11

