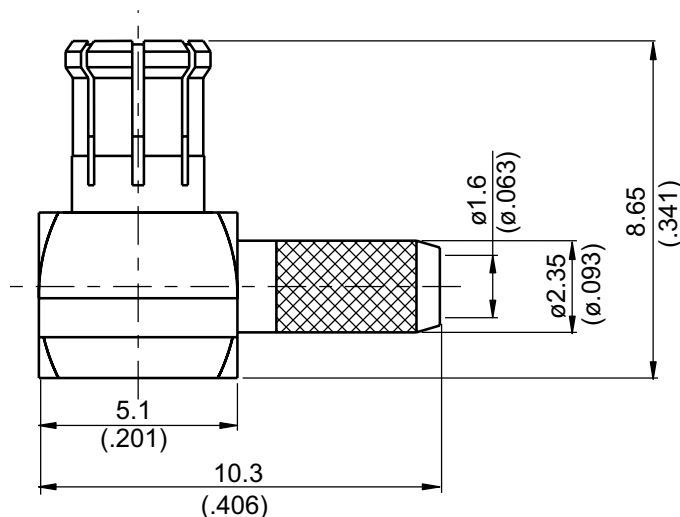


MCX31FLD-9316

MCX Plug Crimp Right Angle
For RD316,RD316-FEP; 6GHz VSWR 1.2

50Ω



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

Weight: 1.18 g

Suitable Cables: RD316,RD316-FEP

This part number complies with RoHS.

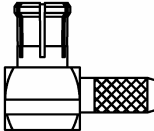
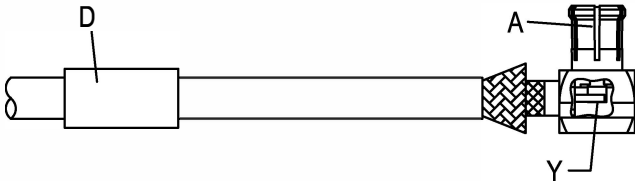
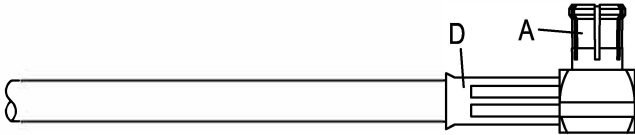
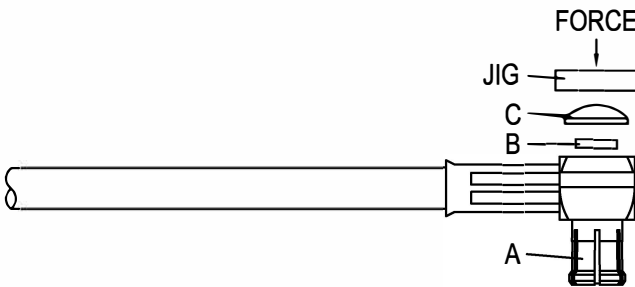
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

MCX	MCX31FLD-9316																		
Interface IEC 61169-36																			
Electrical Data <table> <tr> <td>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>≤0.1dB 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 6GHz	VSWR	≤1.2 (DC to 6GHz)	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
Impedance	50Ω																		
Frequency range	DC to 6GHz																		
VSWR	≤1.2 (DC to 6GHz)																		
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																		
Mechanical Data <table> <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										
Engagement force	≤5.6 lbs																		
Disengagement force	1.8 to 4.5 lbs																		
Contact captivation-axial	≥2.3 lbs																		
Durability (mating)	≥500																		
Environmental Data <table> <tr> <td>Temperature range</td><td>-55°C to +155°C</td></tr> <tr> <td>Thermal shock</td><td>MIL-STD-202, Method 107, Condition F</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	-55°C to +155°C	Thermal shock	MIL-STD-202, Method 107, Condition F	Moisture resistance	MIL-STD-202, Method 106	Corrosion	MIL-STD-202, Method 101, Condition B	RoHS	Compliant								
Temperature range	-55°C to +155°C																		
Thermal shock	MIL-STD-202, Method 107, Condition F																		
Moisture resistance	MIL-STD-202, Method 106																		
Corrosion	MIL-STD-202, Method 101, Condition B																		
RoHS	Compliant																		
Tooling <table> <tr> <td>Crimping tool</td><td>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														
Crimping tool	CRT-1 or CRT-2																		
Crimp insert	INSERT-A																		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

MCX31FLD-9316		DATE	2017/03/27	REV	—
A		B	C	D	
					
BODY		INSULATOR		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 3.3mm/0.130inch HEX SECTION OF INSERT-A)			
		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	
				Albert	

MCX31FLD-9316

S11

