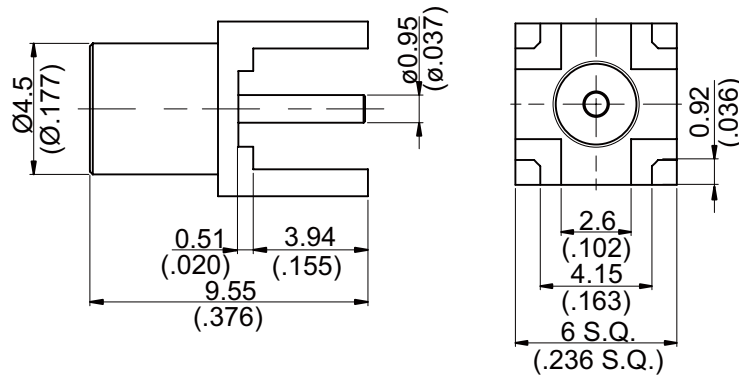
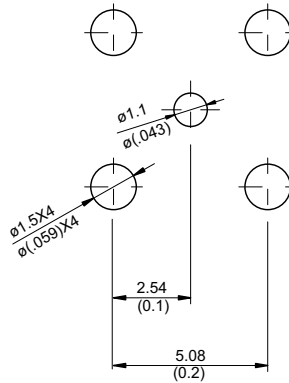


MCX84RE-0000

MCX Jck PCB Mount
With Round Contact (Φ0.95); 6GHz VSWR 1.2 50Ω



MOUNTING HOLE



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

Weight: 0.64 g

This part number complies with RoHS.

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

| MCX | MCX84RE-0000 | | | | | | | | | | | | | | | | | | |
|--|--------------------------------------|-------------------|-----------------|---------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|------------------------------------|-------|------------------------------------|---------|--|-----------|--------------------------------|-----------|
| <div data-bbox="167 344 569 392" style="border: 1px solid black; padding: 2px;">Interface</div> <p data-bbox="167 400 367 434">IEC 61169-36</p> | | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 510 569 557" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table data-bbox="167 566 1348 981"> <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 | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1055 569 1102" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table data-bbox="167 1111 1037 1290"> <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 | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1361 569 1408" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <table data-bbox="167 1417 1420 1641"> <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 | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1715 569 1762" style="border: 1px solid black; padding: 2px;">Tooling</div> | | | | | | | | | | | | | | | | | | | |

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