Series MCX is small in size, easy in mating and reliable in contact. MCX series is recommended for use in tight areas where space is limited.

**Key performance**
- Characteristic Impedance: 50 Ω
- Frequency range: 0-6GHz
- Contact resistance:
  - Center conductor: ≤ 4.0mΩ
  - Outer conductor: ≤ 2.0mΩ
- Insulation resistance: ≥1000MΩ
- Insulator voltage withstand: 750V
- VSWR: ≤ 1.30
- Connector durability: 500 cycles

**Material**
- Center contacts:
  - Male—brass, gold plated.
  - Female—beryllium copper, gold plated
- Bodies and other metal parts:
  - brass, gold plated
  - stainless steel, passivated or gold plated
- Insulators: Teflon
- Crimp ferrule: copper, nickel plated.
- Gasket and seal rings: silicone rubber
- Heat-shrink tubing: thermofit plastic.

**Applicable spec/ std:** IEC1169-36 CECC-22220

**Interface Dimensions**

[Diagram of interface dimensions]
## MCX SERIES

### CERNEXWAVE

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Suitable Cable</th>
<th>L</th>
<th>L1</th>
<th>D</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCX-1</td>
<td>0030-6601</td>
<td>B1</td>
<td>7</td>
<td>8.1</td>
<td>0.4</td>
<td>Ø13</td>
</tr>
<tr>
<td>MCX-2</td>
<td>0030-6602</td>
<td>B2</td>
<td>8.4</td>
<td>0.4</td>
<td>Ø22</td>
<td></td>
</tr>
<tr>
<td>MCX-3</td>
<td>0030-6603</td>
<td>B3</td>
<td>9.2</td>
<td>9.2</td>
<td>Ø36</td>
<td></td>
</tr>
</tbody>
</table>

### Type B1

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCX-B1</td>
<td>0030-6601</td>
<td>B1</td>
</tr>
</tbody>
</table>

### Type B2

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>D</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCX-KY2</td>
<td>0030-3601</td>
<td>B1</td>
<td>Ø1.3</td>
</tr>
<tr>
<td>MCX-KY2</td>
<td>0030-3602</td>
<td>B2</td>
<td>Ø2.2</td>
</tr>
</tbody>
</table>

### Type B3

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>D</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCX-J5</td>
<td>0010-6601</td>
<td>B2</td>
<td>Ø2.2</td>
</tr>
<tr>
<td>MCX-J5</td>
<td>0010-6602</td>
<td>B3</td>
<td>Ø3.6</td>
</tr>
</tbody>
</table>

### Type B5

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>D</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCX-B2</td>
<td>0030-6602</td>
<td>B2</td>
<td>Ø2.2</td>
</tr>
<tr>
<td>MCX-B2</td>
<td>0030-6603</td>
<td>B3</td>
<td>Ø3.6</td>
</tr>
</tbody>
</table>
## MCX SERIES

### CERNEXWAVE

#### Type | Part Number | Suitable Cable | Note
--- | --- | --- | ---
MCX-W2 | 0043-6601 | B2

#### Type | Part Number | Suitable Cable | L | D | Note
--- | --- | --- | --- | --- | ---
MCX-J2 | 0015-6501 | 2 | 19.5 | Ø-0.9
MCX-J3 | 0015-6602 | 3 | 20.5 | Ø-1.8
MCX-J4A | 0015-6504 | 4 | 20.5 | Ø-2.2

#### Type | Part Number | Suitable Cable | L | D | Note
--- | --- | --- | --- | --- | ---
MCX-JW2 | 0033-6501 | 2 | 11.1 | Ø-0.9
MCX-JW3 | 0033-6502 | 3 | 11.7 | Ø-1.5
MCX-JW3A | 0033-6503 | 3A | 12.6 | Ø-1.6

#### Type | Part Number | Suitable Cable | L | D | Note
--- | --- | --- | --- | --- | ---
MCX-K2 | 0022-6501 | 2 | 21.8 | Ø-0.9
MCX-K3 | 0022-6502 | 3 | 23.3 | Ø-1.6

#### Type | Part Number | L | L1 | Note
--- | --- | --- | --- | ---
MCX-JHD | 0010-5801 | 9.7 | 3.5
MCX-JHD' | 0010-5802 | 9.7 | 2.8
MCX-JHD0 | 0010-5803 | 7.5 | 1.7