



# JC00300200P50C40; 30-200 MHz 100W DIRECTIONAL COUPLER

- Small Size and High Power Handling
- High reliability and ruggedness
- Ultra Broadband
- 50 Ohm Input & Output Impedance
- Flat Forward & Reflected Power Sampling
- High Isolation and Directivity



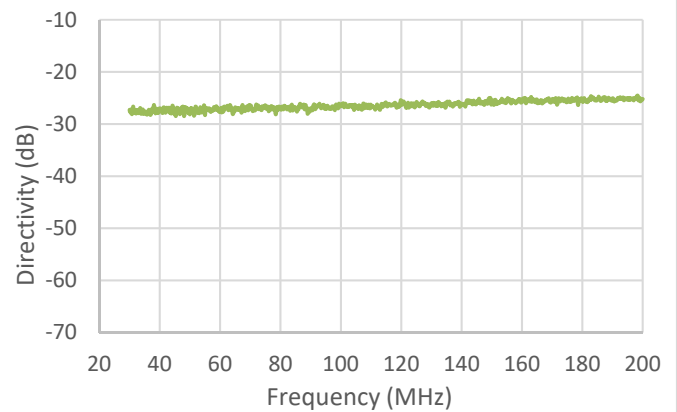
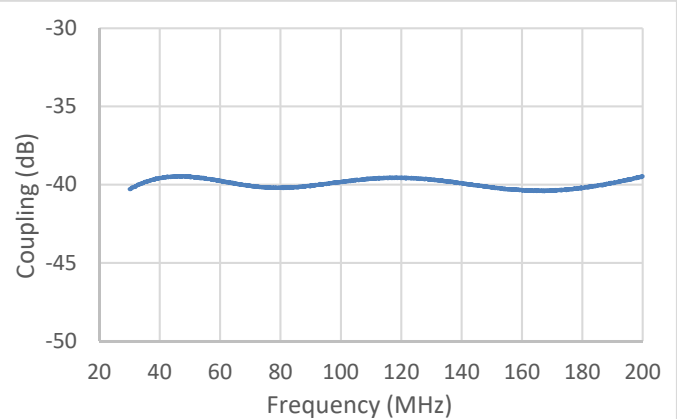
## INTERFACES

<b>RF Input (1):</b>	SMA Female
<b>RF Output (2):</b>	SMA Female
<b>Coupling Port (3):</b>	SMA Female
<b>Isolation Port (4):</b>	SMA Female

## ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

<b>Frequency:</b>	30-200 MHz
<b>Power Handling:</b>	100 W CW
<b>Insertion Loss:</b>	0.1 dB max.
<b>Coupling:</b>	40 ± 0.5 dB
<b>Coupling Flatness:</b>	± 1 dB
<b>In/ Out VSWR:</b>	1.2:1 max
<b>Directivity:</b>	> 20 dB
<b>Operating Case Temp.:</b>	-40 °C to 85 °C
<b>Storage Temperature:</b>	-40 °C to 85 °C
<b>Shock:</b>	MIL-STD-810F/G
<b>Vibration:</b>	MIL-STD-810F/G

## TYPICAL PERFORMANCE GRAPHS



## MECHANICAL SPECIFICATIONS

<b>Size (mm) :</b>	70 × 45 × 16
<b>Weight :</b>	160 gr.
<b>Plating :</b>	Yellow Chromate

