



JPC20006000P54; 2 - 6 GHz 250W 2-WAY POWER SPLITTER / COMBINER

- Ultra Low Loss
- High Power Combining
- 50 Ohm Input / Output Impedance
- High Reliability and Ruggedness
- Small Dimensions and Light Weight

ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

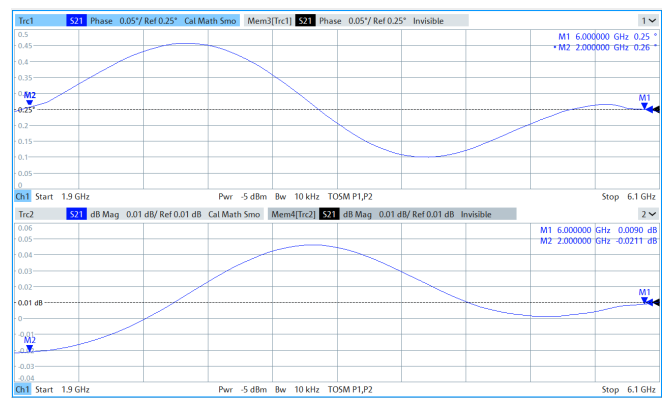
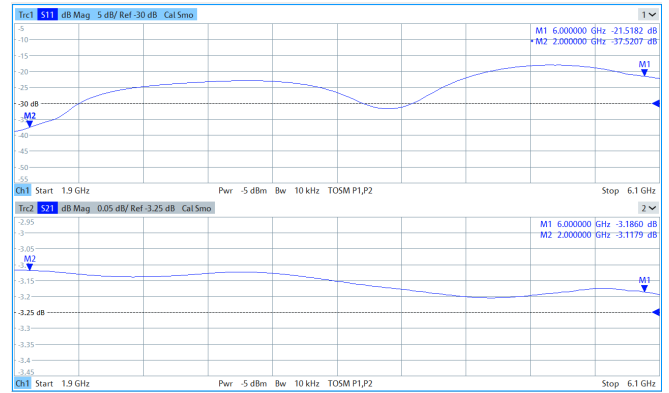
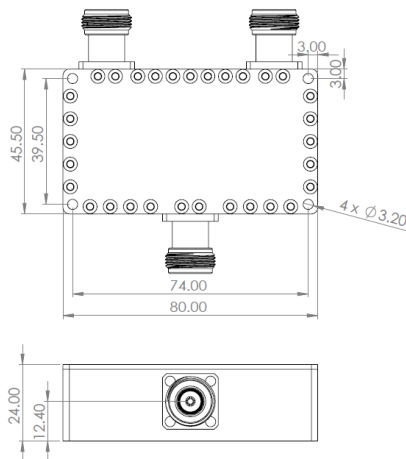
Frequency:	2000-6000 MHz
Output Power:	250 W CW typ.
Insertion Loss:	< 0.25 dB
Input Return Loss:	22 dB typ, 15 dB min.
Amplitude Balance:	0.1 dB max.
Phase Balance:	5° max.
Operating Case Temperature:	-40 °C to 85 °C
Storage Temperature:	-40 °C to 85 °C
Shock:	MIL-STD-810F/G
Vibration:	MIL-STD-810F/G

INTERFACES

RF Inputs:	N Female
RF Output:	N Female

MECHANICAL SPECIFICATIONS

Size (mm) :	80 x 45.5 x 24
Weight :	250 gr.
Plating :	Yellow Chromate



GENERAL DESCRIPTION

RFTR's JPC20006000P54 is a reliable ultrawide-band 250W power combiner operating between 2000 - 6000 MHz and suitable for CW or Pulsed waveforms. This combiner can be used in different applications such as radars, datalinks, mobile jamming or UAVs in S and C bands as a high power combining element.

JPC20006000P54 offers ultra-low loss which is less than 0.2 dB with an input return loss of 22 dB typical. The combiner has the amplitude balance of 0.1 dB and phase balance of 5 degree maximum.