

SPECIFICATION SHEET
JFW MODEL 50PDA-234
POWER DIVIDER ASSEMBLY

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Configuration Two 8-Way power divider/combiners
(all SMA connectors on front panel)

Panel Type 19 inch rack mount @ 1RU high

Frequency Range 350-6000 MHz

Impedance 50 Ohms nominal

VSWR 1.9:1 maximum
1.6:1 typical (divider port)
1.3:1 typical (combiner ports)

Insertion Loss 3.6 dB maximum
(above 9 dB split) 0.6 dB typical @ 350 MHz
3.0 dB typical @ 6000 MHz

Amplitude Tracking ± 0.8 dB maximum
 ± 0.2 dB typical

Phase Tracking $\pm 9^\circ$ maximum
 $\pm 3^\circ$ typical

Isolation 10 dB minimum 350-500 MHz
18 dB minimum 500-6000 MHz

11.5 dB typical @ 350 MHz
14.0 dB typical @ 400 MHz
19.6 dB typical @ 500 MHz
23.0 dB typical @ > 500 MHz

RF Input Power 10 Watts average (divider port)
0.25 Watts average (combiner ports)

Temperature Range -40°C to +85°C (operating)
-55°C to +125°C (storage)

RF Connector SMA female

Physical Size See outline drawing 092-10357

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