

SPECIFICATION SHEET

JFW MODEL 50PD-847

4 WAY REACTIVE POWER DIVIDER/COMBINER

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Frequency Range 350-6000 MHz

Impedance 50 Ohms nominal

VSWR 1.8:1 maximum 350-500 MHz
1.6:1 maximum 500-6000 MHz
1.5:1 typical 350-500 MHz (divider port)
1.3:1 typical 500-6000 MHz (divider port)
1.2:1 typical 350-6000 MHz (combiner ports)

Insertion Loss 2.2 dB maximum
(above 6 dB split) 0.4 dB typical @ 350 MHz
1.2 dB typical @ 6000 MHz

Amplitude Tracking ± 0.6 dB maximum
± 0.1 dB typical

Phase Tracking ± 6° maximum
± 1° 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

Matched 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 092-9160

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