

**SPECIFICATION SHEET**

**JFW MODEL 50PD-848**

**8 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)  
1.4:1 typical 500-6000 MHz (divider port)  
1.3:1 typical 350-6000 MHz (combiner ports)

Insertion Loss 3.0 dB maximum  
(above 9 dB split) 0.5 dB typical @ 350 MHz  
2.2 dB typical @ 6000 MHz

Amplitude Tracking ± 0.6 dB maximum  
± 0.2 dB typical

Phase Tracking ± 8° maximum  
± 3° typical

Isolation 12 dB minimum 350-500 MHz  
18 dB minimum 500-6000 MHz

14 dB typical @ 350 MHz  
16 dB typical @ 400 MHz  
22 dB typical @ 500-6000 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 092-9161

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