

SPECIFICATION SHEET**JFW MODEL 50PD-850****2 WAY REACTIVE POWER DIVIDER/COMBINER**

JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
www.jfwindustries.com

Frequency Range 0.5-18 GHz

Impedance 50 Ohms nominal

VSWR 1.6:1 maximum
< 1.4:1 typical (divider port)
< 1.3:1 typical (combiner ports)

Insertion Loss 1.9 dB maximum
(above 3 dB split) 0.2 dB typical @ 500 MHz
0.6 dB typical @ 6 GHz
1.4 dB typical @ 18 GHz

Amplitude Tracking ± 0.7 dB maximum
 ± 0.2 dB typical

Phase Tracking $\pm 7^\circ$ maximum
 $\pm 3^\circ$ typical

Isolation 18 dB minimum 500 MHz-6 GHz
14 dB minimum 6-18 GHz
20 dB typical 500 MHz-6 GHz
17 dB typical 6-18 GHz

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 092-9164

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