

**SPECIFICATION SHEET**

**JFW MODEL 50PD-938**

**3 WAY REACTIVE POWER DIVIDER/COMBINER**

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Frequency Range	2-18 GHz
Impedance	50 Ohms nominal
VSWR	1.9:1 maximum < 1.6:1 typical (divider port) < 1.4:1 typical (combiner ports)
Insertion Loss (above 4.8 dB split)	1.8 dB maximum 0.8 dB typical @ 2 GHz 1.3 dB typical @ 18 GHz
Amplitude Tracking	± 0.9 dB maximum ± 0.5 dB typical
Phase Tracking	± 12° maximum ± 6° typical
Isolation	16 dB minimum > 20 dB typical
Matched Input Power	5 Watts average (divider port) 0.25 Watts average (combiner ports)
Operating Temperature Range	-40°C to +85°C
Altitude	30,000 feet (controlled environment)
RF Connector	SMA female
Physical Size	See outline drawing 092-10259

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