

SPECIFICATION SHEET

JFW MODEL 50PD-949

2 WAY REACTIVE POWER DIVIDER/COMBINER

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Frequency Range	18-40 GHz
Impedance	50 Ohms nominal
VSWR	1.7:1 maximum < 1.5:1 typical (divider port) < 1.4:1 typical (combiner ports)
Insertion Loss (above 3 dB split)	1.4 dB maximum 0.4 dB typical @ 18 GHz 0.7 dB typical @ 40 GHz
Amplitude Tracking	± 0.6 dB maximum ± 0.2 dB typical
Phase Tracking	± 7° maximum ± 3° typical
Isolation	16 dB minimum 18 dB typical
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	2.92mm female
Physical Size	See outline drawing 092-9398

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/15/2025		TRS 01/15/2025				