

**SPECIFICATION SHEET**  
**JFW MODEL 50C-076-XX**  
**DIRECTIONAL COUPLER**

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Frequency Range	2-18 GHz
Impedance	50 Ohms nominal
VSWR	1.6:1 maximum 1.4:1 typical
Coupling Values	10 dB $\pm$ 1.0 dB 20 dB $\pm$ 1.2 dB 30 dB $\pm$ 1.5 dB
Coupling Flatness	$\pm$ 1.0 dB maximum $\pm$ 0.7 dB typical
Insertion Loss (including Coupling Loss)	10 dB: 1.2 dB maximum 0.9 dB typical  20 dB: 0.8 dB maximum 0.4 dB typical  30 dB: 0.8 dB maximum 0.5 dB typical
Directivity	10dB Coupler: 15dB minimum/18dB typical 2-8 GHz 12dB minimum/14dB typical 8-18 GHz  20dB Coupler: 15dB minimum/18dB typical 2-8 GHz 12dB minimum/14dB typical 8-18 GHz  30dB Coupler: 12dB minimum/14dB typical 2-18 GHz
RF Input Power	50 Watts average
RF Connector	SMA female
Temperature Range	-45°C to +85°C (operating) -55°C to +125°C (storage)
Physical Size	See outline drawing 092-10131

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/22/2024		TRS 03/22/2024				