

SPECIFICATION SHEET
JFW MODEL 50C-075-XX
DIRECTIONAL COUPLER

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Frequency Range	2-8 GHz
Impedance	50 Ohms nominal
VSWR	1.30:1 maximum 1.15:1 typical
Coupling Values	10 dB \pm 1.0 dB 20 dB \pm 1.0 dB 30 dB \pm 1.0 dB
Coupling Flatness	\pm 1.0 dB maximum \pm 0.7 dB typical
Insertion Loss (including Coupling Loss)	10 dB: 1.0 dB maximum 0.6 dB typical 20 dB: 0.6 dB maximum 0.3 dB typical 30 dB: 0.5 dB maximum 0.25 dB typical
Directivity	20 dB minimum 22 dB typical
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
	08/17/2023		TRS 08/17/2023				
33372	05/22/2024	A	TRS 05/22/2024				