

**SPECIFICATION SHEET**  
**JFW MODEL 50C-044-XX**  
**DIRECTIONAL COUPLER**

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Frequency Range	800-2500 MHz
Impedance	50 Ohms nominal
Coupling Value	6 dB $\pm$ 0.6 dB 10 dB $\pm$ 0.8 dB 20 dB $\pm$ 1.0 dB 30 dB $\pm$ 1.0 dB
VSWR	1.25 maximum
Insertion Loss (above Coupling Loss)	0.4 dB for 6 dB 0.4 dB for 10 dB 0.3 dB for 20 dB 0.3 dB for 30 dB
Coupling Loss	1.250 dB for 6 dB 0.458 dB for 10 dB 0.047 dB for 20 dB 0.004 dB for 30 dB
Coupling Flatness	$\pm$ 0.5 dB for 6 dB $\pm$ 0.7 dB for 10, 20 and 30 dB
Directivity	20 dB minimum
RF Input Power	200 Watts average
RF Connector	N female only
Operating Temperature Range	-20°C to +70°C
Physical Size	See outline drawing 092-6097

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/20/2009		CLK 02/20/2009				
17136	04/28/2009	A	CLK 04/28/2009				