

**SPECIFICATION SHEET**  
**JFW MODEL 50C-078-XX**  
**DIRECTIONAL COUPLER**

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Frequency Range 6-26.5 GHz

Impedance 50 Ohms nominal

VSWR 1.6:1 maximum  
< 1.4:1 typical

Coupling Values 10 dB  $\pm$  1.0 dB  
20 dB  $\pm$  1.0 dB  
30 dB  $\pm$  1.0 dB

Coupling Flatness 10 dB:  $\pm$  0.8 dB maximum  
20 dB:  $\pm$  1.0 dB maximum  
30 dB:  $\pm$  1.0 dB maximum

Insertion Loss (including Coupling Loss) 10 dB: 1.6 dB maximum  
1.0 dB typical  
20 dB: 1.0 dB maximum  
0.5 dB typical  
30dB: 1.0 dB maximum  
0.5 dB typical

Directivity 12 dB minimum  
15 dB typical

RF Input Power 30 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 092-10296

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
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