

B R O A D W A V E T E C H N O L O G I E S I N C .

MODEL 251 - 086 - XXX*

DIRECTIONAL COUPLER

Frequency Range: 7 - 12.4 GHz

Impedance: 50 Ohms nominal

Coupling: 6 dB (- 006) ± 1.0 dB maximum
10 dB (- 010) ± 1.0 dB maximum
20 dB (- 020) ± 1.0 dB maximum

Frequency Sensitivity: 6 dB (- 006) ± 0.50 dB maximum
10 dB (- 010) ± 0.75 dB maximum
20 dB (- 020) ± 0.75 dB maximum

Insertion Loss: 1.0 dB maximum

Directivity: 6 dB (- 006) 17 dB minimum
10 dB (- 010) 12 dB minimum
20 dB (- 020) 12 dB minimum

VSWR: 6 dB (- 006) 1.30:1 maximum
10 dB (- 010) 1.50:1 maximum
20 dB (- 020) 1.50:1 maximum

Power Input: 50 Watts average
1000 Watts peak

RF Connectors: SMA Female

Operating Temperature Range: - 55°C to +85°C

Outline Drawing: MED - 0614

* - Insert desired coupling value

ECF #	Date	Rev.
Issue	7/20/06	0
0489	8/16/07	A
0535	11/28/07	B
0817	5/15/09	C
1194	4/10/17	D

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