

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

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MODEL 252 - 080 - XXX\*

DIRECTIONAL COUPLER

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Frequency Range: 800 - 2500 MHz

Impedance: 50 Ohms nominal

Coupling: 10 dB ( - 010 )  $\pm$  1.0 dB maximum  
15 dB ( - 015 )  $\pm$  1.0 dB maximum  
20 dB ( - 020 )  $\pm$  1.0 dB maximum  
30 dB ( - 030 )  $\pm$  1.0 dB maximum

Frequency Sensitivity:  $\pm$  0.75 dB maximum

Insertion Loss: 0.6 dB maximum

Directivity: ( - 10 dB) 25 dB minimum  
( - 15 dB) 30 dB minimum  
( - 20 dB) 35 dB minimum  
( - 30 dB) 40 dB minimum

VSWR: 1.30:1 maximum

Power Input: 100 Watts average

RF Connectors: N Female

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

Outline Drawing: MED - 0630

\* - Insert desired coupling value

ECF #	Date	Rev.
Issue	9/19/06	0
0506	10/15/07	A

Approved By: \_\_\_\_\_