

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 - 016 - XXX\*  
DIRECTIONAL COUPLER

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**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  
30 dB ( - 030 ) ± 1.0 dB maximum

**Frequency Sensitivity:** ± 0.5 dB maximum

**Insertion Loss:** 2.0 dB maximum ( - 006 )  
1.0 dB maximum ( - 010 )  
0.4 dB maximum ( - 020, - 030 )

**Directivity:** 17 dB minimum

**VSWR:** 1.30:1 maximum

**Power Input:** 50 Watts average  
1000 Watts peak

**RF Connectors:** N Female

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

**Outline Drawing:** MED - 0152 ( - 006, - 010, - 020 )  
MED - 0143 ( - 030 )

\* - Insert desired coupling value

ECF #	Date	Rev.
Issue	11/01/02	0

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