

**MODEL 251 - 016 - 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  
 30 dB ( - 030 ) ± 1.0 dB maximum

**Frequency Sensitivity:** ± 0.5 dB maximum

**Insertion Loss:** 2.0 dB maximum ( - 006 )  
 0.6 dB maximum ( - 010 )  
 0.3 dB maximum ( - 020, - 030 )

**Directivity:** 17 dB minimum

**VSWR:** 1.40:1 maximum

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

**RF Connectors:** SMA Female

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

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

\* - Insert desired coupling value

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0147	5/14/03	A

**Approved By:** Approved Internet/Email Copy