

**MODEL 251 - 014 - XXX\***  
**DIRECTIONAL COUPLER**

**Frequency Range:** 4 - 8 GHz

**Impedance:** 50 Ohms nominal

**Coupling:** 6 dB ( - 006 ) ± 1.0 dB maximum  
 10 dB ( - 010 ) ± 1.25 dB maximum  
 20 dB ( - 020 ) ± 1.25 dB maximum  
 30 dB ( - 030 ) ± 1.25 dB maximum

**Frequency Sensitivity:** ± 0.6 dB maximum ( - 006 )  
 ± 0.75 dB maximum ( - 010, - 020, - 030 )

**Insertion Loss:** 1.9 dB maximum ( - 006 )  
 0.9 dB maximum ( - 010 )  
 0.3 dB maximum ( - 020, - 030 )

**Directivity:** 20 dB minimum

**VSWR:** 1.30:1 maximum

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

**RF Connectors:** SMA 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	09/05/02	0

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