

**SPECIFICATION SHEET**

**JFW MODEL 50D-052**

**DETECTOR**

JFW Industries, Inc.  
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Frequency Range 1-3000 MHz

Impedance 50 Ohms nominal

VSWR 1.2:1 maximum 1-1000 MHz  
1.3:1 maximum 1000-2000 MHz  
1.4:1 maximum 2000-3000 MHz

Flatness ± 0.2 dB 1-500 MHz  
± 0.3 dB 500-2000 MHz  
± 0.5 dB 2000-3000 MHz

Typical Sensitivity

(-20 dBm)	0.006 V
(-10 dBm)	0.050 V
( 0 dBm)	0.220 V
(+10 dBm)	0.840 V
(+20 dBm)	2.650 V

Output Capacitance 1000 pF nominal

DC Output Polarity Positive or Negative  
(customer to specify)

RF Input Power 100 mW

RF Input Connector TNC, N, BNC or SMA male

DC Output Connector TNC, SMA, BNC or N female

Physical Size See outline drawing:

092-5251 (N M / BNC F)  
092-5252 (BNC M / BNC F)  
092-5402 (SMA M / BNC F)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/20/2006		CLK 11/20/2006				
14148	05/02/2007	A	CLK 05/02/2007				