

**SPECIFICATION SHEET****JFW MODEL 50D-051****DETECTOR**

JFW Industries, Inc.  
 Phone: 317-887-1340  
 sales@jfwindustries.com  
 www.jfwindustries.com

Frequency Range 1-2000 MHz

Impedance 50 Ohms nominal

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

Flatness  $\pm 0.3$  dB

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

DC Output Polarity Positive or Negative  
 (customer to specify)

RF Input Power 100 mW maximum

RF Input Connector 7/16, BNC, TNC, SMA or N male

DC Output Connector BNC, TNC, SMA or N Female

Operating Temperature Range -40°C to +85°C

Storage Temperature Range -55°C to +85°C

Humidity 0 to 95% (Non-Condensing)

Outline Drawing Numbers 092-3134 (Connector Chart)  
 092-5252 (BNC M / BNC F)  
 092-5251 (N M / BNC F)  
 092-5402 (SMA M / BNC F)  
 092-7457 (7/16 M /BNC F)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
15350	02/11/2008	B	CLK 02/11/2008	23449	11/11/2013	E	BAC 11/11/2013
21922	09/18/2012	C	BAC 09/18/2012	26700	06/08/2016	F	CLK 06/08/2016
23218	09/05/2013	D	BAC 09/05/2013	27494	01/23/2017	G	TRS 01/23/2017