

SPECIFICATION SHEET**JFW MODEL 50D-052****DETECTOR**

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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

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

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

Humidity 0 to 95% (Non-Condensing)

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	23218	09/05/2013	C	BAC 09/05/2013
14148	05/02/2007	A	CLK 05/02/2007	23449	11/11/2013	D	BAC 11/11/2013
15350	02/11/2008	B	CLK 02/11/2008				