

SPECIFICATION SHEET

JFW MODEL 50D-050

DETECTOR

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Frequency Range 1-1000 MHz

Impedance 50 Ohms nominal

VSWR 1.2:1 maximum 1-1000 MHz

Flatness ± 0.2 dB

Typical Output Voltage

(-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 maximum

RF Input Connector BNC, TNC, N or SMA male or female

DC Output Connector BNC, TNC, N, or SMA 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:

- 092-5252 (BNC M / BNC F)
- 092-5251 (N M / BNC F)
- 092-5402 (SMA M / BNC F)
- 092-4276 (SMA M / SMA F)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/20/2006		CLK 11/20/2006	18130	01/19/2010	C	SMR 01/19/2010
14146	05/02/2007	A	CLK 05/02/2007	23218	09/05/2013	D	BAC 09/05/2013
15350	02/11/2008	B	CLK 02/11/2008	23449	11/11/2013	E	BAC 11/11/2013