

DESCRIPTION

THE MODEL DD-100M1R5G-ZBS-N-SFF IS A HIGH SPEED, HIGH SENSITIVITY SCHOTTKY DIODE DETECTOR REQUIRING ZERO BIAS AND OFFERING EXCELLENT TEMPERATURE STABILITY. THE FREQUENCY RANGE IS 0.1 TO 1.5 GHz.

SPECIFICATIONS

- FREQUENCY RANGE:.....0.1 TO 1.5 GHz
- VSWR2.0:1 MAX (MEASURED @ -23 dBm)
- FREQUENCY FLATNESS± 1.0 dB MAX
- VOLTAGE SENSITIVITY.....500 mV/mW MIN
- TANGENTIAL SENSITIVITY.....-45 dBm (2 MHz VIDEO BANDWIDTH WITH 2 dB NOISE FIGURE VIDEO AMP)
- VIDEO CAPACITANCE100 pF MAX
- OUTPUT VOLTAGENEGATIVE IS STANDARD
- MAX INPUT POWER100 mW
- VIDEO RESISTANCE2500 OHMS TYP, 7500 OHMS MAX
- CONNECTORS.....SMA (M) INPUT & SMA (F) OUTPUT
- FINISHSTAINLESS STEEL
- SIZE1.314" X 0.375" DIA

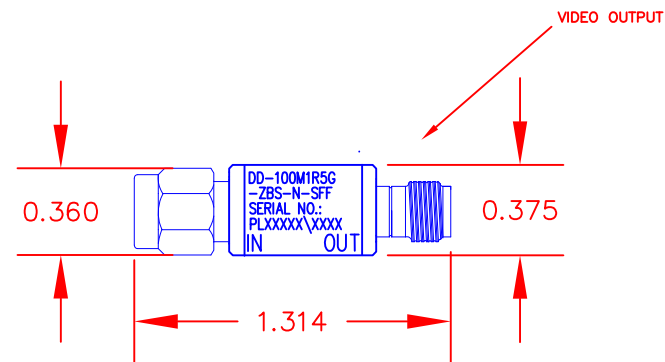
ENVIRONMENTAL RATINGS

- **TEMPERATURE:**-40°C TO +55°C (OPERATING)
.....-54°C TO +85°C (STORAGE)
- **SHOCK:** MIL-STD-810G
- **VIBRATION:** MIL-STD-810G

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.02
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10-13-15	JM



CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN JS		10/13/15	PRODUCT FEATURE DD-100M1R5G-ZBS-N-SFF HIGH SPEED HIGH SENSITIVITY BIASED DIODE DETECTOR			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	71A34	PRELIMINARY	-
			SCALE	N:S		SHEET 1 OF 1