

DESCRIPTION

THE MODEL DD-50-100M1R5G-12PF-1-N-SFF IS A HIGH SPEED, HIGH SENSITIVITY SCHOTTKY DIODE DETECTOR REQUIRING 50 TO 100 μ A 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
- VSWR 3.0:1 MAX (MEASURED @ -23 dBm)
- FREQUENCY FLATNESS ± 0.7 dB MAX
- BIAS CURRENT 50 TO 100 μ A (APPLIED TO VIDEO PORT)
- VOLTAGE SENSITIVITY..... 1500 mV/mW MIN
- TANGENTIAL SENSITIVITY..... -50 dBm (2 MHz VIDEO BANDWIDTH WITH 2 dB NOISE FIGURE VIDEO AMP)
- VIDEO CAPACITANCE 100 pF MAX
- OUTPUT VOLTAGE NEGATIVE IS STANDARD
- MAX INPUT POWER 100 mW
- VIDEO RESISTANCE 2000 OHMS MAX
- CONNECTORS..... SMA (F) INPUT & SMA (F) OUTPUT
- FINISH STAINLESS STEEL
- SIZE 1.314" X 0.375" DIA

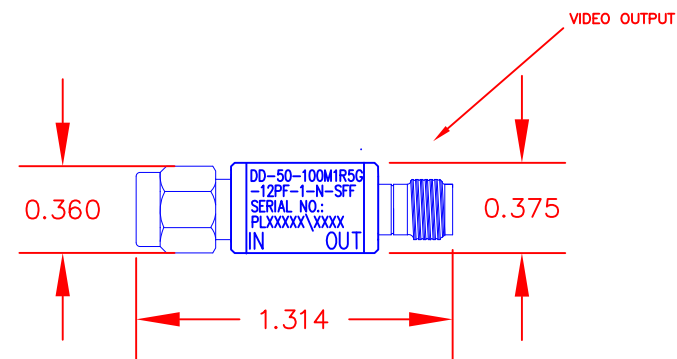
ENVIRONMENTAL RATINGS

- 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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APPROVALS		DATE		TITLE			
DRAWN		JS		PRODUCT FEATURE			
CHECKED				DD-50-100M1R5G-12PF-1-N-SFF			
ISSUED				HIGH SPEED HIGH SENSITIVITY BIASED DIODE DETECTOR			
				SIZE	FSCM NO.	DWG NO.	REV.
				A	71A34	PRELIMINARY	-
				SCALE N:S		SHEET 1 OF 1	