

# DESCRIPTION

THE MODEL DD-100M1R5G-ZBS-P-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
- VSWR .....2.0:1 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 CAPACITANCE ..... 100 pF MAX
- OUTPUT VOLTAGE ..... POSITIVE
- MAX INPUT POWER ..... 100 mW
- VIDEO RESISTANCE .....2500 OHMS TYP, 7500 OHMS MAX
- CONNECTORS.....SMA (M) INPUT & SMA (F) OUTPUT
- FINISH ..... PAINTED BLUE
- SIZE ..... 1.314" X 0.375" DIA

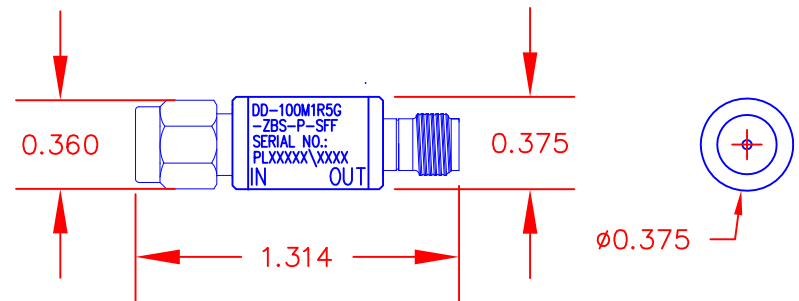
# ENVIRONMENTAL RATINGS

- **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	2/22/2016	JP



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 ISO 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN S.PALACIO		2/22/16	PRODUCT FEATURE		
CHECKED			DD-100M1R5G-ZBS-P-SFF		
ISSUED			HIGH SPEED HIGH SENSITIVITY BIASED DIODE DETECTOR		
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	PRELIMINARY	-		
SCALE N:S		SHEET		1 OF 1	