

DESCRIPTION

MODEL NUMBER FD-1G2G-1515-SFF IS A FREQUENCY DISCRIMINATOR THAT OPERATES OVER THE FREQUENCY RANGE OF 1 TO 2 GHz. THE SENSITIVITY INTO A 100 OHM LOAD IS 1 V/GHz.

SPECIFICATIONS

- FREQUENCY RANGE: 1 TO 2 GHz
- INPUT VSWR: 2.0 : 1 MAX
1.5 : 1 TYP
- OPERATING INPUT POWER: +10 dBm $\pm$ 0.1 dBm
- VIDEO IMPEDANCE: 100 OHMS
- VIDEO OUTPUT RISE TIME: 20 ns
- VIDEO OUTPUT SLOPE: 1 V/GHz NOMINAL
- FREQUENCY DISCRIMINATOR ACCURACY: $\pm$ 100 MHz
- RF INPUT POWER, SURVIVAL: +15 dBm
- DC POWER SUPPLY:
 - +V: +15 VDC @ 75 mA
 - V: -15 VDC @ 75 mA
- SIZE: 2.5" x 1.0" x 0.4"
- WEIGHT: 4 oz. MAX
- FINISH: PAINTED BLUE

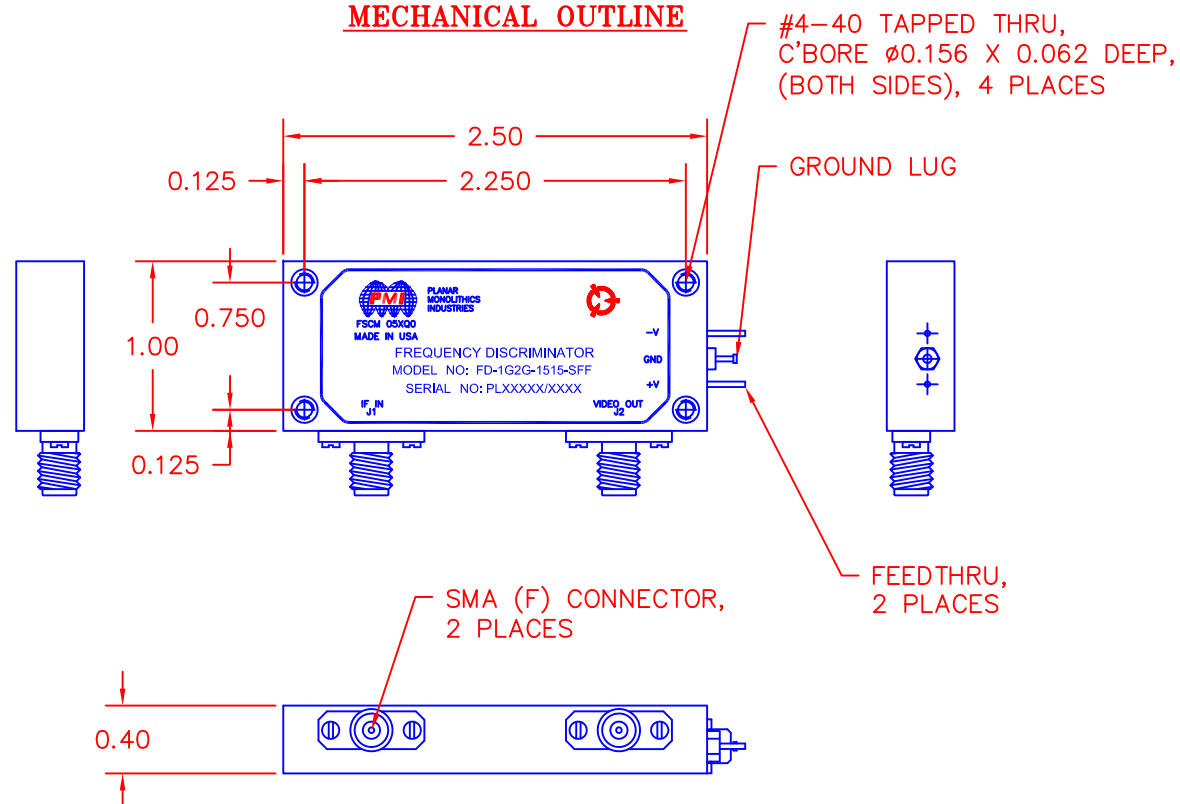
ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- **HUMIDITY:** MIL-STD-202, METHOD 103B COND. B
- **SHOCK:** MIL-STD-202, METHOD 213B COND. B
- **VIBRATION:** MIL-STD-202, METHOD 204D COND. B
- **ALTITUDE:** MIL-STD-202, METHOD 105C COND. B
- **TEMPERATURE CYCLE:** MIL-STD-202, METHOD 107D COND. A

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	5/4/21	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE		
DRAWN <i>DPD</i>		5/4/21		PRODUCT FEATURE FD-1G2G-1515-SFF		
CHECKED				SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED				SCALE N:S	SHEET 1 OF 1	

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX $\pm$ 0.020
X.XXX $\pm$ 0.010