

DESCRIPTION

PMI MODEL FD-0518-10-2G4G IS A 2 TO 4 GHz FREQUENCY DISCRIMINATOR HAVING A VSWR OF 2.0:1 MAXIMUM, 1.5:1 TYPICAL, AND A VIDEO OUTPUT SLOPE OF 1 V / GHz.

SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 4 GHz
- INPUT VSWR: 2.0:1 MAXIMUM
1.5:1 TYPICAL
- OPERATING INPUT POWER: +10 dBm NOMINAL, ± 0.1 dBm
- VIDEO IMPEDANCE: 100 Ω NOMINAL
- VIDEO OUTPUT RISE TIME: 20 ns
- VIDEO OUTPUT SLOPE: 1 V/GHz NOMINAL
- FREQUENCY DISCRIMINATOR ACCURACY: ± 100 MHz
- RF INPUT POWER, SURVIVAL: +15 dBm
- DC SUPPLY: +15 VDC @ +75 mA
-15 VDC @ -75 mA
- SIZE: (L) 2.00" X (W) 1.80" X (H) 0.50"
- WEIGHT: 4 oz MAXIMUM
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

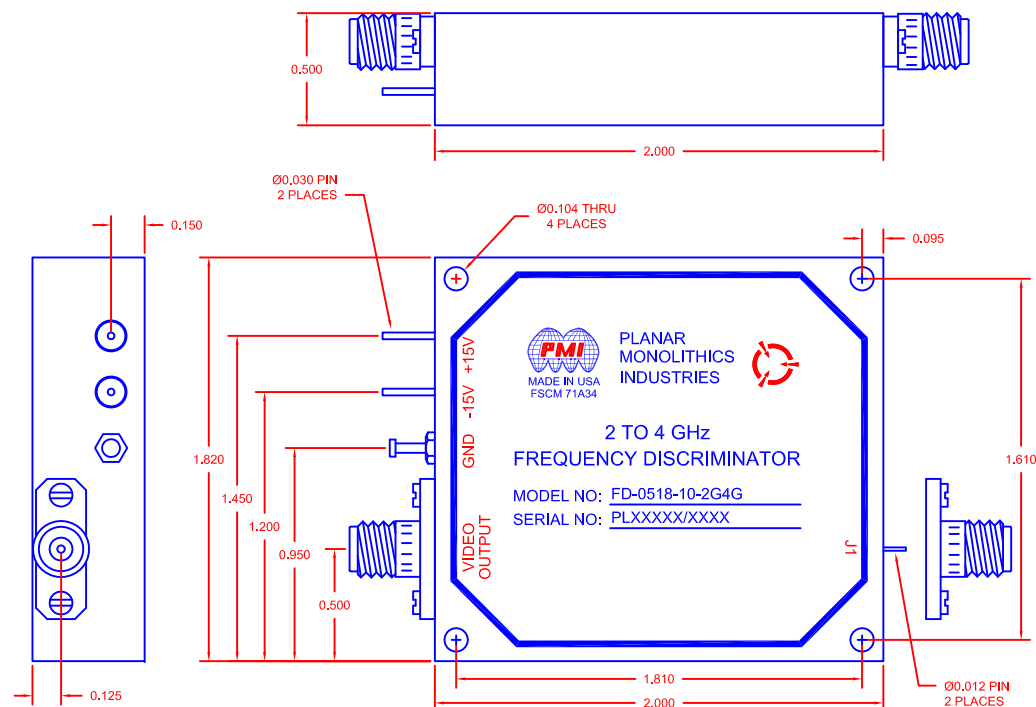
- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/1/18	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>JPH</i>		8/1/17	PRODUCT FEATURE		
REDRAWN NJA		5/1/18	FD-0518-10-2G4G		
ISSUED			2 TO 4 GHz FREQUENCY DISCRIMINATOR		
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	27034821	A1		
SCALE N:S		SHEET		1 OF 1	