

DESCRIPTION

PMI MODEL FD-0518-10 OPTION: 610 IS A 6 TO 10 GHz FREQUENCY DISCRIMINATOR HAVING A VSWR OF 2.0:1 MAXIMUM AND 1.5:1 TYPICAL AND A FREQUENCY DISCRIMINATOR ACCURACY OF ± 200 MHz.

SPECIFICATIONS

- FREQUENCY RANGE 6.0 TO 10.0 GHz
- VSWR INPUT: 2.0:1 MAXIMUM
1.5:1 TYPICAL
- OPERATING INPUT POWER: +10 dBm NOMINAL, ± 0.1 dBm
- VIDEO IMPEDANCE: 100 OHMS NOMINAL
- VIDEO OUTPUT RISE TIME: 20 nSec
- VIDEO OUTPUT SLOPE: 50 mV/GHz
- FREQUENCY DISCRIMINATOR ACCURACY: ± 200 MHz TYP., ± 300 MHz MAX.
- RF INPUT POWER, SURVIVAL: +15 dBm
- POWER PLUS: +15 VDC @ +75 mA
- POWER MINUS: -15 VDC @ -75 mA
- SIZE: 2.00" x 1.80" x 0.50"
- WEIGHT: < 4 oz.

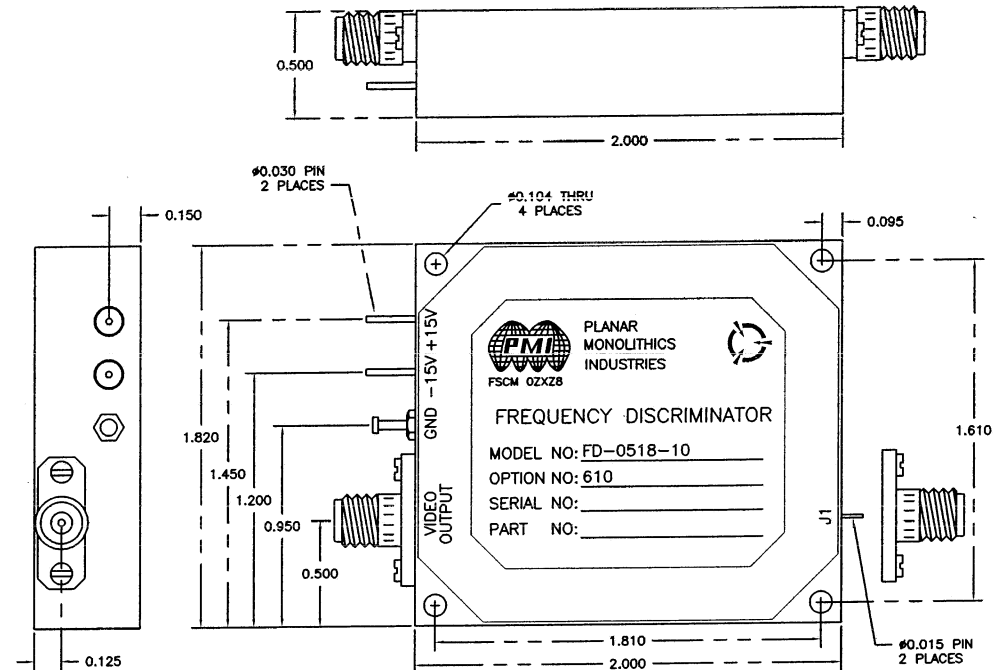
ENVIRONMENTAL RATINGS

- TEMPERATURE -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY MIL-STD-202F, METHOD 103B COND. B
- SHOCK MIL-STD-202F, METHOD 213B COND. B
- VIBRATION MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE MIL-STD-202F, 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 ± 0.010
X.XXX ± 0.005

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
-	-	ORIGINAL RELEASE JOB# P409037XN	3/9/05	



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001:2000 CERTIFIED

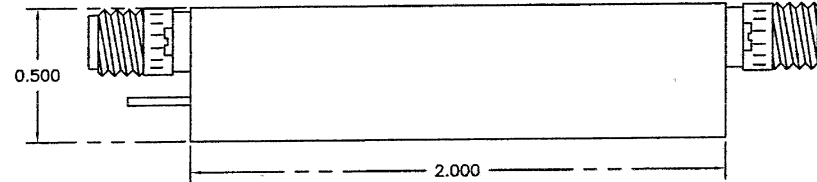


APPROVALS		DATE	TITLE			REV.
DRAWN	<i>JKM</i>	3/9/05	PRODUCT FEATURE FD-0518-10 OPTION: 610 6-10 GHz FREQUENCY DISCRIMINATOR			-
CHECKED	<i>JK</i>	3/9/05	SIZE	FSCM NO.	DWG NO.	
ISSUED			A	OZXXZ8	100-7381	
			SCALE	N:S	SHEET	1 OF 3

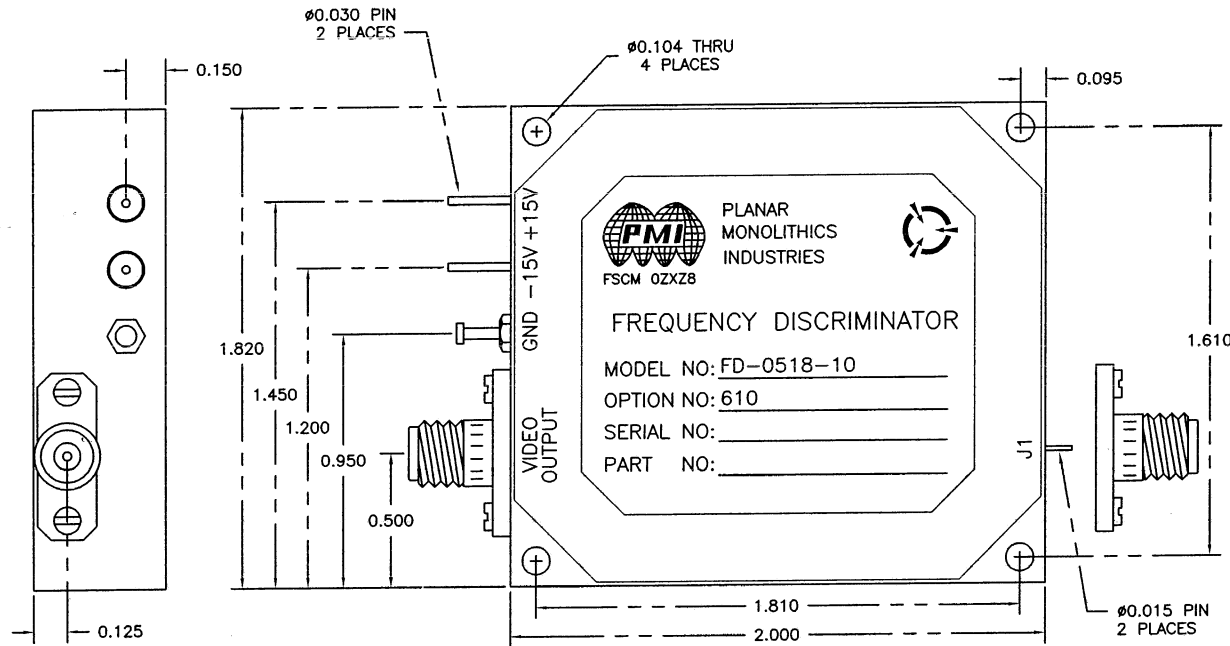
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MECHANICAL OUTLINE



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 X.XXX ± 0.005

APPROVALS		DATE	TITLE			REV.
DRAWN	<i>JKM</i>	3/9/05	MECHANICAL OUTLINE FD-0518-10 OPTION: 610 6-10 GHz FREQUENCY DISCRIMINATOR			-
CHECKED	<i>JA</i>	3/9/05	SIZE	FSCM NO.	OWG NO.	
ISSUED			A	OZXZ8	100-7381	
			SCALE	N:S		SHEET 2 OF 3