

DESCRIPTION

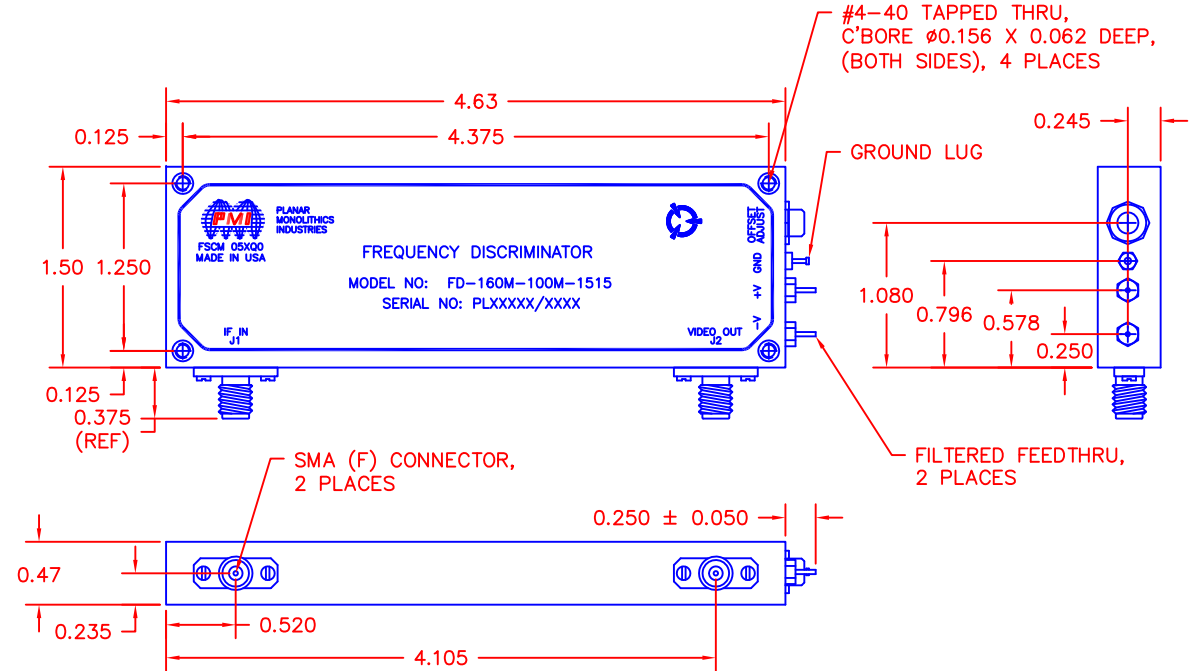
MODEL NUMBER FD-160M-100M-1515 IS A FREQUENCY DISCRIMINATOR THAT OPERATES AT A CENTER FREQUENCY OF 160 MHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/29/21	
	A2	ECN# 21-0163	10/12/21	

SPECIFICATIONS @ 25°C

UNLESS OTHERWISE SPECIFIED

- CENTER FREQUENCY: 160 MHz
- FREQUENCY RANGE: 110 TO 210 MHz MIN.
- SENSITIVITY INTO 50 OHMS: 9.5 TO 10 mV/MHz
- LINEARITY @ 25°C: ±3% MAX.
- LINEARITY @ 0°C TO 60°C: ±5% MAX.
- INPUT DYNAMIC RANGE: -10 TO 0 dBm MIN.
- INPUT VSWR: 1.5:1 MAX.
- RISE TIME: 10 ns MAX.
- DC POWER SUPPLY:
 - +V: +15V @ 400 mA MAX.
 - V: -15V @ 400 mA MAX.
- VIDEO OUT VS. INPUT FREQUENCY: 1 V MAX.
- FINISH: PAINTED BLUE



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ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -55°C TO +85°C (OPERATING)
..... -65°C TO +100°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 ±0.020
X.XXX ±0.010

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

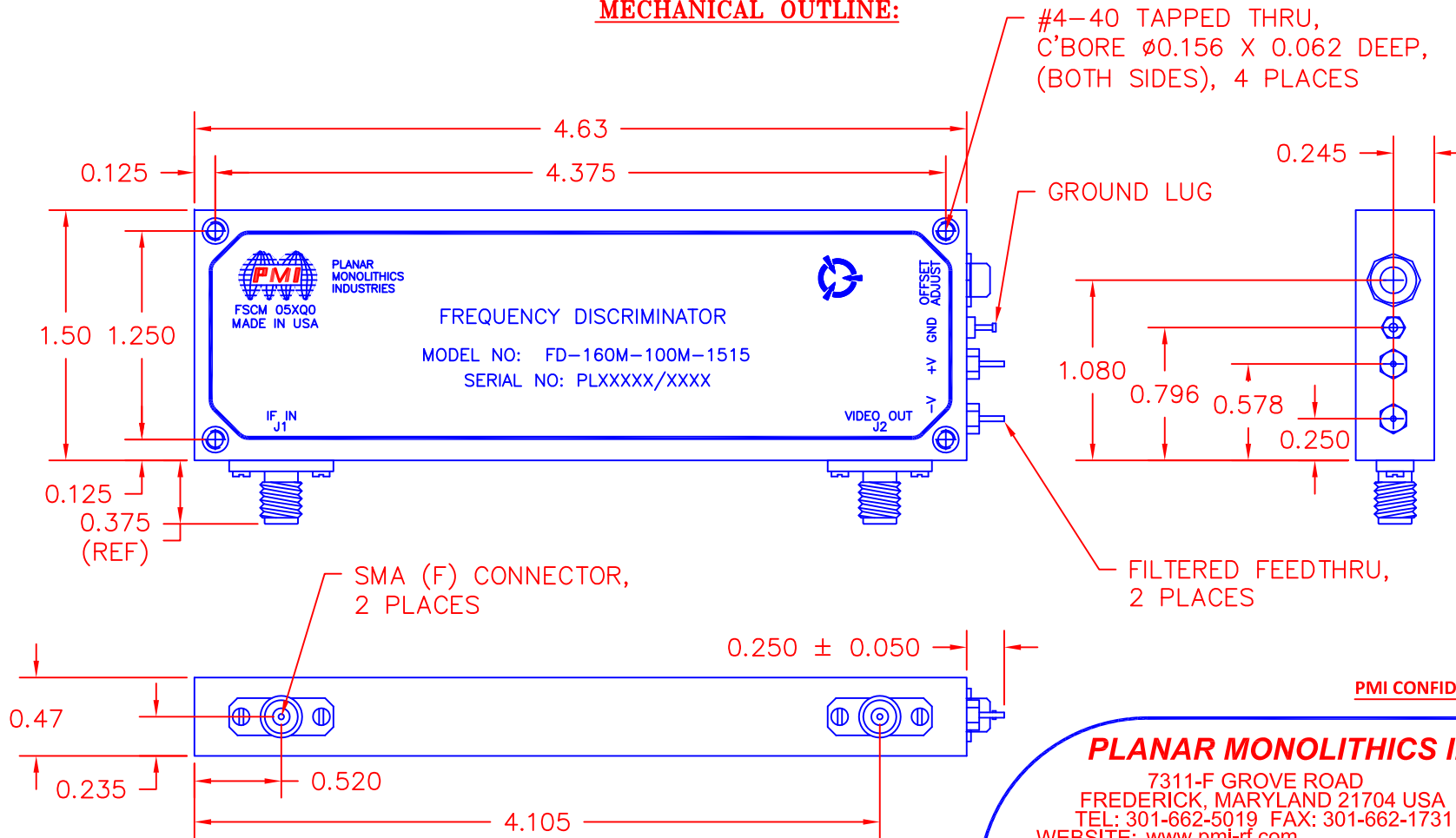


APPROVALS		DATE	TITLE			
DRAWN <i>GW</i>		1/8/18	PRODUCT FEATURE FD-160M-100M-1515			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27040440	A2
			SCALE	N:S		SHEET 1 OF 2

DESCRIPTION

MODEL NUMBER FD-160M-100M-1515 IS A FREQUENCY DISCRIMINATOR THAT OPERATES AT A CENTER FREQUENCY OF 160 MHZ.

MECHANICAL OUTLINE:



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APPROVALS		DATE	TITLE		
DRAWN <i>EW</i>		1/8/18	PRODUCT FEATURE		
CHECKED			FD-160M-100M-1515		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27040440
			SCALE	N:S	SHEET 2 OF 2