

DESCRIPTION

PMI MODEL NO. FD-30M-4M-1528 IS A FREQUENCY DISCRIMINATOR THAT MEETS THE SPECIFICATIONS BELOW.

SPECIFICATIONS

- IF INPUT CENTER FREQUENCY: ----- 30 MHz
- IF INPUT PEAK BANDWIDTH: ----- 8 MHz P-P MINIMUM
- IF LINEAR BANDWIDTH: ----- 4 MHz MINIMUM
- IF INPUT LEVEL: ----- -5 TO +5 dBm
- IF INPUT IMPEDANCE: ----- 50 OHMS
- IF INPUT VSWR: ----- 2.0 MAXIMUM
- RISE TIME: ----- 200 ns MAXIMUM
- VIDEO OUTPUT BANDWIDTH: ----- 3 MHz MINIMUM
- VIDEO OUTPUT (INPUT/OUTPUT PROPERTY): ----- 1.0 V/MHz
(+1.0 ± 0.1 V: 0 dBm @ 31 MHz INPUT)
- VIDEO OUTPUT VOLTAGE PRECISION (29 TO 31 MHz): ----- WITHIN ±40 kHz (IF INPUT)
- OUTPUT IMPEDANCE: ----- 93 OHMS
- VIDEO OUTPUT OFFSET: ----- ADJUSTABLE
- POWER SUPPLY: ----- ±15 V ± 0.5 V @ 130 mA MAXIMUM
+28 V ± 0.8 V @ 2 A MAXIMUM
- INPUT/OUTPUT CONNECTORS: ----- SMA FEMALE
- WEIGHT: ----- 115 g

TEST DATA PACKAGE

- IF INPUT CENTER FREQUENCY, IF LINEAR BANDWIDTH, IF INPUT LEVEL, RISE TIME, VIDEO OUTPUT BANDWIDTH, VIDEO OUTPUT (INPUT/OUTPUT PROPERTY), AND VIDEO OUTPUT VOLTAGE PRECISION (29 TO 31 MHz)

*TESTED AT 23°C

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- 0 °C TO +70 °C (OPERATING)
-40 °C TO +70 °C (STORAGE)
- HUMIDITY: ----- 95% (+60°C) RH MAXIMUM

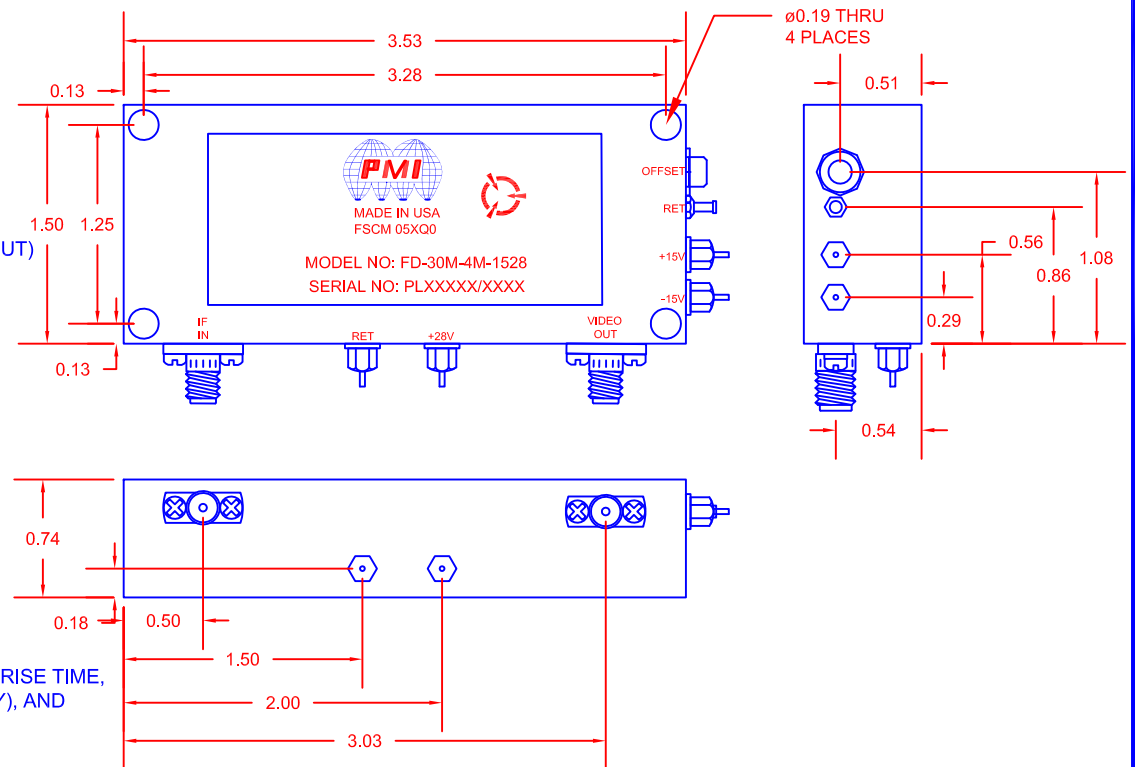
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN INCHES [mm]
TOLERANCES:
X,XX ±0,020
X,XXX ±0,010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/19/2018	B.B.

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>EW</i>		8/19/18	PRODUCT FEATURE FD-30M-4M-1528		
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S	SHEET 1 OF 1	REV. -