

DESCRIPTION

PMI MODEL: DD-50M700M-700-SMF IS A LOW NOISE TUNNEL DIODE DETECTOR OPERATING OVER THE 50 MHz TO 700 MHz FREQUENCY RANGE. THIS MODEL OFFERS EXCELLENT TEMPERATURE STABILITY.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 50 TO 700 MHz
- VOLTAGE SENSITIVITY: ----- 700 mV/mW MINIMUM
- OUTPUT POLARITY: ----- NEGATIVE
- INPUT POWER: ----- 50 mW CW MAXIMUM
- IMPEDANCE: ----- 50 OHMS TYPICAL
- CONNECTORS: ----- 2.92 mm MALE IN/ SMA FEMALE OUT AND COMPATIBLE WITH SMA
- SIZE: ----- (L) 1.30" x Ø0.31"
(L) 33.02 mm x Ø7.87 mm
- FINISH: ----- NICKEL

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -45 °C TO +85 °C (OPERATING)
-55 °C TO +95 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. G (50g, 11 ms)
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. D (20 g, 10 - 2000 MHz)
- 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

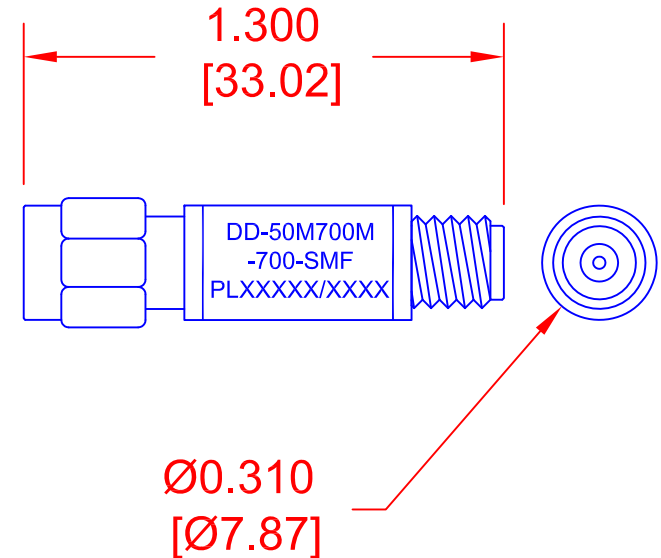
PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	12/19/18	

MECHANICAL OUTLINE

LABEL



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APPROVALS		DATE	TITLE			
DRAWN <i>JPH</i>		12/19/18	PRODUCT FEATURE DD-50M700M-700-SMF			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. -
ISSUED			SCALE N:S		SHEET 1 OF 1	