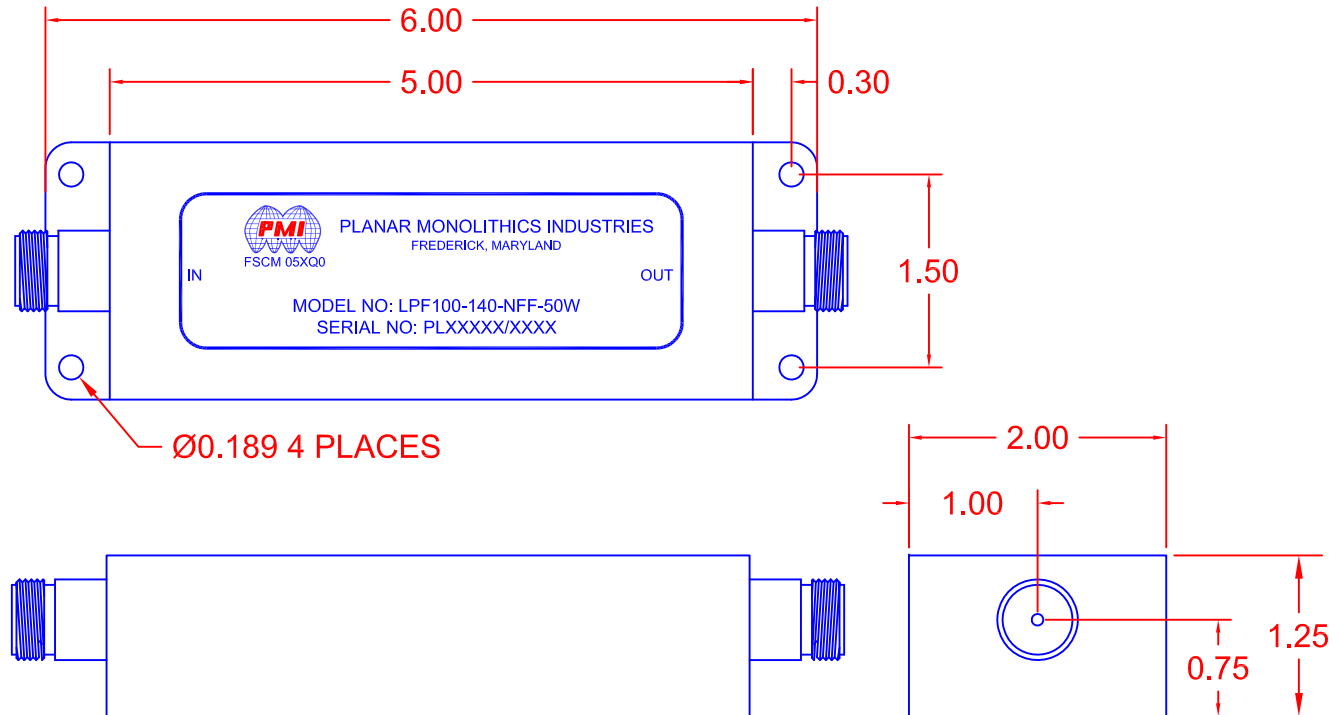


DESCRIPTION

PMI MODEL: LPF100-140-NFF-50W IS A HIGH POWER, LOW PASS FILTER HAVING A CUT-OFF FREQUENCY OF 100 MHz. THIS FILTER OFFERS LOW INSERTION LOSS OF 1 dB TYPICAL AND OVER 80 dB OF REJECTION @ 140 MHz. THE FILTER IS DESIGNED FOR 50 Ω IMPEDANCE AND CAN HANDLE INPUT POWER LEVELS TO 50 WATTS CW.

SPECIFICATIONS

- FREQUENCY RANGE: ----- DC TO 100 MHz
- PASSBAND INSERTION LOSS: ----- 1 dB TYPICAL
- REJECTION @ 140 MHz: ----- -80 dB MINIMUM
- IMPEDANCE: ----- 50 Ω
- PASSBAND VSWR: ----- 2.0:1 TYPICAL
- CONNECTORS: ----- N-TYPE FEMALE
- POWER HANDLING: ----- 50 W CW
- SIZE: ----- 2.0" x 6.0" x 1.25"



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

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	11/16/15	

MECHANICAL OUTLINE

PLANAR MONOLITHICS INDUSTRIES, INC.
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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		11/16/15	PRODUCT FEATURE LPF100-140-NFF-50W		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. -
				SHEET	1 OF 1