

DESCRIPTION

PMI MODEL: 9BP840-52-CD-SFF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 840 MHz AND A NOMINAL BANDWIDTH OF 52.0 MHz. THIS UNIT HAS A MAXIMUM INSERTION LOSS OF 6.0 dB INSIDE THE SMALL 2.00" x 0.50" x 0.50" PACKAGE OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- CENTER FREQUENCY: ----- 840 MHz NOMINAL
- 3 dB BANDWIDTH: ----- 52 MHz NOMINAL
- PASSBAND INSERTION LOSS: ----- 6.0 dB MAXIMUM
- PASSBAND VSWR: ----- 1.5:1 MAXIMUM
- STOPBAND ATTENUATION: ----- 70 dB MINIMUM @ 720 MHz
70 dB MINIMUM @ 960 MHz
- POWER HANDLING: ----- +30 dBm MAXIMUM
- IMPEDANCE: ----- 50 Ω
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 2.00" x 0.50" x 0.50"
50.80 mm x 12.70 mm x 12.70 mm
- SURFACE FINISH: ----- BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -0 °C TO +50 °C (OPERATING)
- 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

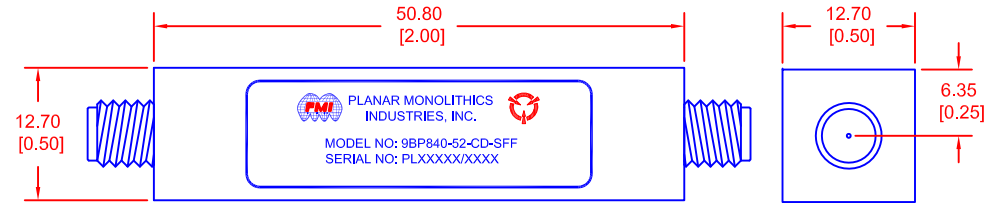
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN mm [INCH]
TOLERANCES:
X.XX ±0.508 [0.020]
X.XXX ±0.254 [0.010]

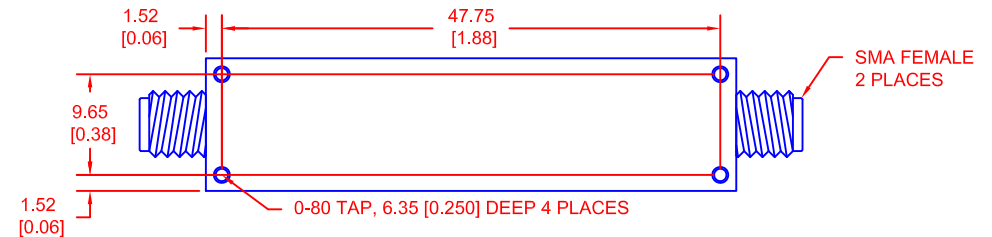
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/19/21	
	A2	ECN # 21-0139	08/25/21	

MECHANICAL OUTLINE

TOP VIEW



BOTTOM VIEW



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		04/11/18	PRODUCT FEATURE 9BP840-52-CD-SFF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27042060	A2
ISSUED			SCALE	N:S		SHEET 1 OF 1