

DESCRIPTION

PMI MODEL: 10BP2040-87D6-CD-SFF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 2040 MHz AND A NOMINAL BANDWIDTH OF 87.6 MHz. THIS UNIT HAS A TYPICAL INSERTION LOSS OF 3.0 dB INSIDE THE SMALL 2.00" x 0.50" x 0.50" PACKAGE OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- CENTER FREQUENCY: ----- 2040 MHz NOMINAL
- 3 dB BANDWIDTH: ----- 87.6 MHz NOMINAL
- PASSBAND INSERTION LOSS: ----- 3.0 dB TYPICAL
10.0 dB MAXIMUM
- PASSBAND VSWR: ----- 1.5:1 MAXIMUM
- STOPBAND ATTENUATION: ----- 70 dB MINIMUM @ 1920 MHz
70 dB MINIMUM @ 2160 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

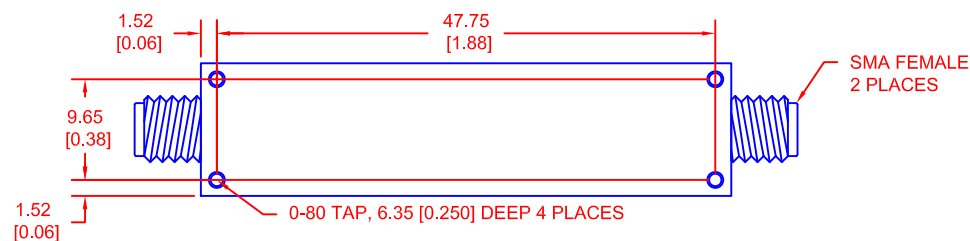
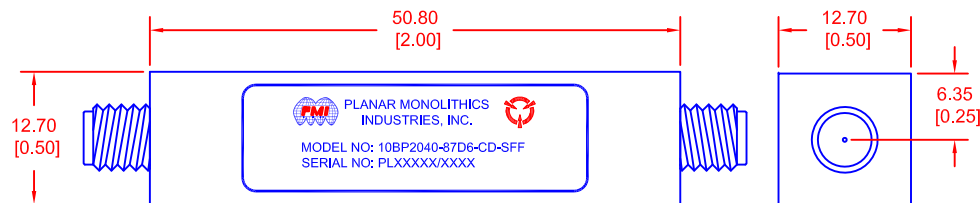
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	05/24/21	
	A2	ECN # 21-0139	08/25/21	

MECHANICAL OUTLINE

TOP VIEW



BOTTOM VIEW

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		M. Berry		08/11/18		PRODUCT FEATURE	
CHECKED						10BP2040-87D6-CD-SFF	
ISSUED							
SIZE	A	FSCM NO.	05XQ0	DWG NO.	27042100	REV.	A2
SCALE	N:S					SHEET	1 OF 1