

DESCRIPTION

PMI MODEL NO. 3BP-4828-170-CD-SFF IS A HIGHLY TEMPERATURE STABLE, NARROW BAND (170 MHz WIDE), LUMPED ELEMENT BAND PASS FILTER CENTERED AT 4828.57 MHz WITH BETTER THAN 6 dB INSERTION LOSS. IT IS USED IN A FAST SWITCHED EIGHT CHANNEL LO ASSEMBLY TO SUPPRESS ADJACENT CHANNEL OUTPUTS.

SPECIFICATIONS

- CHANNEL CENTER FREQUENCY: ----- 4828.57 MHz
- CHANNEL CENTER INSERTION LOSS: - 6 dB MAX
- PASSBAND BANDWIDTH: ----- 170 MHz MIN
- PASSBAND INPUT/OUTPUT VSWR: --- 2:1 MAX
- REJECTIONS:
 - @ CHANNEL 1 (2600.00 MHz): ----- 60 dB MIN
 - @ CHANNEL 2 (2971.43 MHz): ----- 55 dB MIN
 - @ CHANNEL 3 (3342.86 MHz): ----- 50 dB MIN
 - @ CHANNEL 4 (3714.29 MHz): ----- 45 dB MIN
 - @ CHANNEL 5 (4085.71 MHz): ----- 35 dB MIN
 - @ CHANNEL 6 (4457.14 MHz): ----- 28 dB MIN
 - @ CHANNEL 8 (5200.00 MHz): ----- 28 dB MIN

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

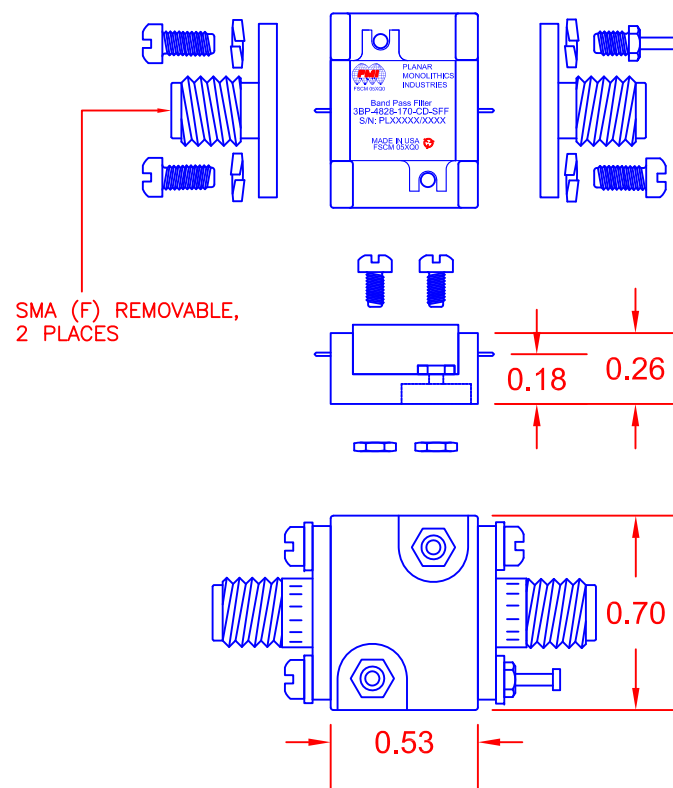
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	2/8/2019	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE 3BP-4828-170-CD-SFF BAND PASS FILTER				
APPROVALS	DATE					
DRAWN <i>EW</i>	<i>2/8/19</i>					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV -	
ISSUED		SCALE N:S		SHEET 1 OF 1		