

DESCRIPTION

PMI MODEL PEC-218-BRF-SM-TNCF IS A SWITCHED FILTER CONTAINING TWO PATHS. THE FIRST PATH IS A 2.0 TO 18.0 GHz THRU PATH. THE SECOND PATH INCLUDES A 60dB REJECTION FROM 4.2 TO 4.4 GHz.

SPECIFICATIONS

- FREQUENCY RANGE: 2.0 TO 18.0 GHz
- INSERTION LOSS:
 - THRU PATH: 2.5dB TYP
 - FILTER PATH: 4.0dB TYP
- -3dB PASSBAND CUTOFF FREQUENCY: 4.0 AND 4.6GHz
- REJECTION LEVEL AND FREQUENCY: -60dB MIN AT 4.2 TO 4.4GHz
- VSWR (INPUT/OUTPUT): 2.0:1 MAX
- SWITCH ISOLATION (PATH TO PATH): 70dB TYP
- INPUT POWER: 1 WATT CW, 10 WATTS PEAK
- DC VOLTAGE: +28VDC
- SIZE (L) 8.0" X (W) 6.0" X (H) 2.0"
- FINISH CLEAR IRIDITED WITH BLUE SILKSCREEN

J3 PINOUT

A	+28 VDC
B	+28 VDC RETURN
C	CHASSIS GROUND

ENVIRONMENTAL RATINGS

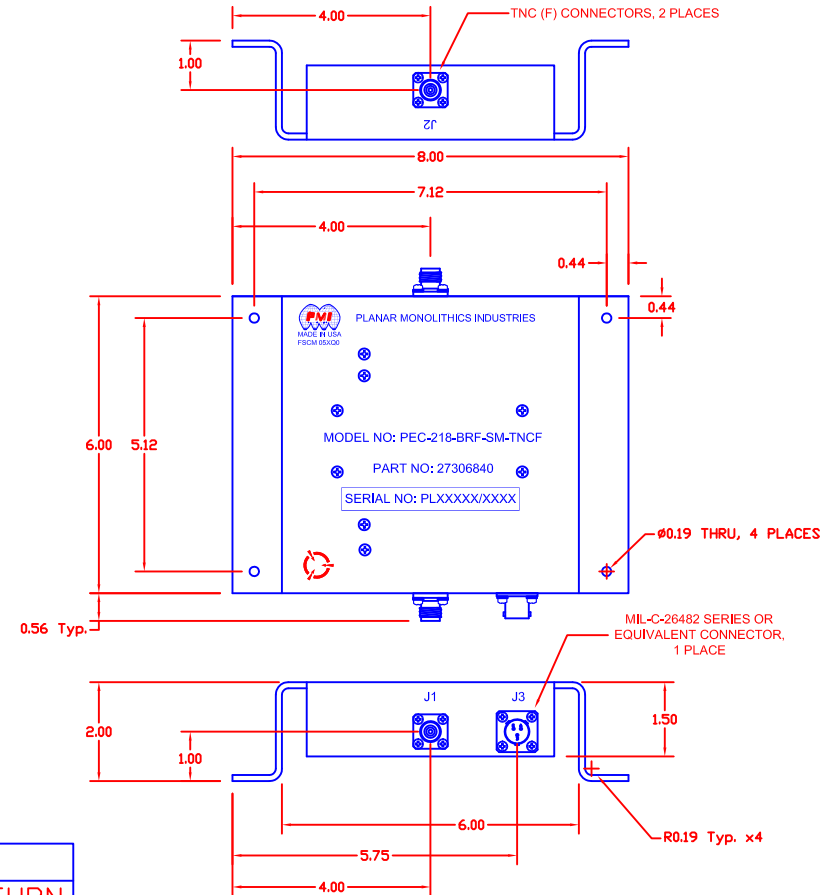
- TEMPERATURE: -55°C TO + 85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY RELEASE	2/20/07	
	A1	ECN # 14-0098	07/07/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>K.M</i>		2/20/07	PRODUCT FEATURE PEC-218-BRF-SM-TNCF			
CHECKED <i>K.M</i>		07/09/14	SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27006841	A1
			SCALE	N: S	SHEET	1 OF 1