

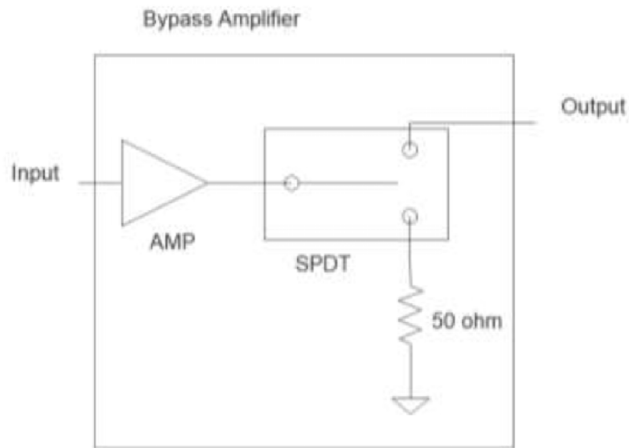
DESCRIPTION

PMI MODEL PEC-40-P2T-6G18G-2W-SFF IS A 40dB MIN. GAIN AND 1W P1dB AMPLIFIER FOLLOWED BY AN SP2T SWITCH THAT OPERATES BETWEEN THE FREQUENCY RANGE 6 – 18GHz.

SPECIFICATIONS

- FREQUENCY RANGE:..... 6 – 18GHz
- GAIN:..... 40dB TYP.
- Pout @ 1dB COMPRESSION:..... +30dB MIN (1W)
- NOISE FIGURE:..... +4.5dB MAX
- VSWR IN/OUT:..... 2.0:1 MAX / 1.75:1 TYP
- INPUT/OUTPUT IMPEDANCE:..... 50Ω NOMINAL
- INPUT POWER (WITHOUT DAMAGE):..... +18dBm CW Max
- CONTROL SIGNAL:..... SINGLE TTL LINE – "1"=J1-J2 & "0"= J1-INTERNAL 2W LOAD
- POWER SUPPLY:..... +12 +/-10% VDC – 500mA MAX
+25 +/-10% VDC – 800mA MAX
-5 +/-10% VDC – 100mA MAX
INTERNAL SEQUENCE PROTECTION
- CONNECTORS:..... SMA FEMALE (IN/OUT)
- FINISH..... PAINTED BLUE (MOUNTING SURFACE FREE OF PAINT, GOLD)

BLOCK DIAGRAM



ENVIRONMENTAL RATINGS

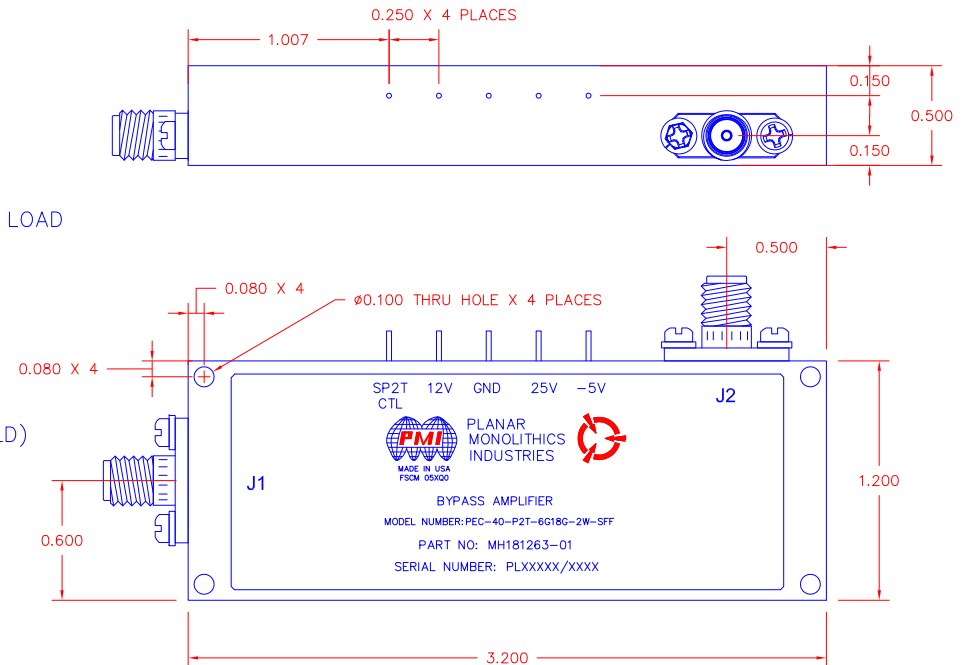
- TEMPERATURE:..... -55°C TO + 85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:.....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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	5/17/2019	



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APPROVALS		DATE		TITLE			
DRAWN		5/17/19		PRODUCT FEATURE			
CHECKED				PEC-40-P2T-6G18G-2W-SFF			
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		PRELIMINARY		—	
SCALE		N: S		SHEET		1 OF 1	