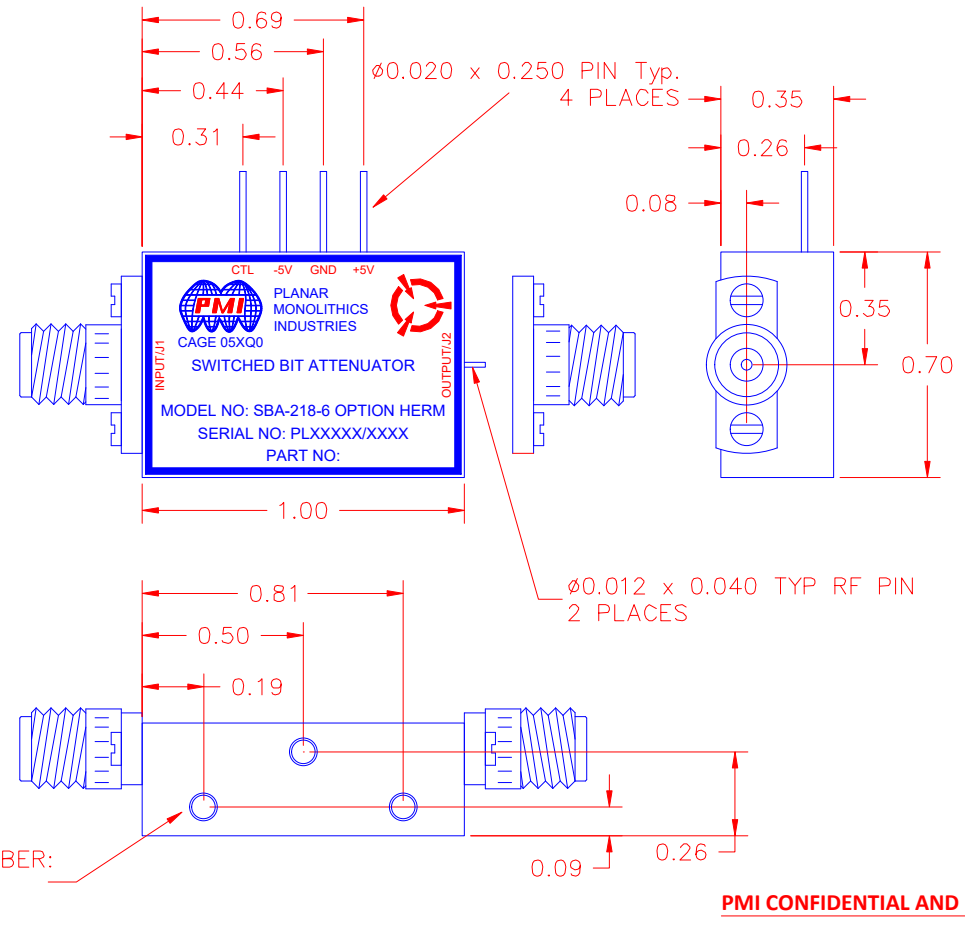


## DESCRIPTION

PMI MODEL SBA-218-6 OPTION HERM IS A SWITCHED BIT ATTENUATOR OPERATING FROM 2 TO 18 GHz. DESIGNED TO BE SWITCHED BETWEEN A LOW LOSS STATE (2 dB LOSS TYPICAL) AND HIGH LOSS STATE (20 dB LOSS TYPICAL). THE SETTINGS ARE SELECTED BY A SINGLE CONTROL BIT.

## SPECIFICATIONS

- FREQUENCY RANGE: \_\_\_\_\_ 2 TO 18 GHz
- ATTENUATION: \_\_\_\_\_ 20 dB ±2dB MAX
- INSERTION LOSS: \_\_\_\_\_ 3 dB MAX
- SWITCHING SPEED: \_\_\_\_\_ 100 ns MAX
- TTL CONTROL: \_\_\_\_\_ "1 = 2 dB INSERTION LOSS"  
"0 = 20 dB INSERTION LOSS"
- INPUT POWER: \_\_\_\_\_ +20 dBm CW MAX
- VSWR: \_\_\_\_\_ 2.0:1 MAX
- DC VOLTAGE: \_\_\_\_\_ +5 VDC @ 50 mA  
-5 VDC @ 50 mA
- CONNECTORS: \_\_\_\_\_ SMA (F) REMOVABLE
- SIZE: \_\_\_\_\_ 1.00" X 0.70" X 0.35"
- SEALING: \_\_\_\_\_ HERMETIC
- FINISH: \_\_\_\_\_ GOLD PLATED



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	03/25/15	
	A2	ECN # 22-0146	11/15/22	
	A3	ECN # 26-0035	03/04/26	

## ENVIRONMENTAL RATINGS:

- TEMPERATURE: \_\_\_\_\_ -20 °C TO +70 °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

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN VR		03/25/15	PRODUCT FEATURE SBA-218-6 OPTION HERM			A3
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27013491	
ISSUED			SCALE N:S		SHEET 1 OF 1	