

## DESCRIPTION

PMI MODEL SAA-500M18G-20DB-SFF IS A SWITCHED BIT ATTENUATOR OPERATING FROM 0.5 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:..... 0.5 TO 18 GHz
- ATTENUATION:..... 20dB  $\pm$ 2.75dB NOMINAL
- INSERTION LOSS:..... 3dB MAX
- SWITCHING SPEED:..... 100ns MAX
- TTL CONTROL:..... "0"=INSERTION LOSS"  
"1"=20dB ATTENUATION"
- INPUT POWER:..... +20dBm CW MAX
- VSWR:..... 2.0:1 MAX
- DC VOLTAGE:..... +5VDC @ 300 mA  
-5VDC @ 300 mA
- CONNECTORS:..... SMA (F) REMOVABLE
- SIZE:..... 1.00" X 0.70" X 0.35"
- FINISH:..... GRAY EPOXY POLIMIDE  
COATING IAW MIL-C-22750,  
TYPE I OVER EPOXY POLIMIDE  
PRIMER IAW MIL-P-23377,  
TYPE I, CLASS 1 OR 3.

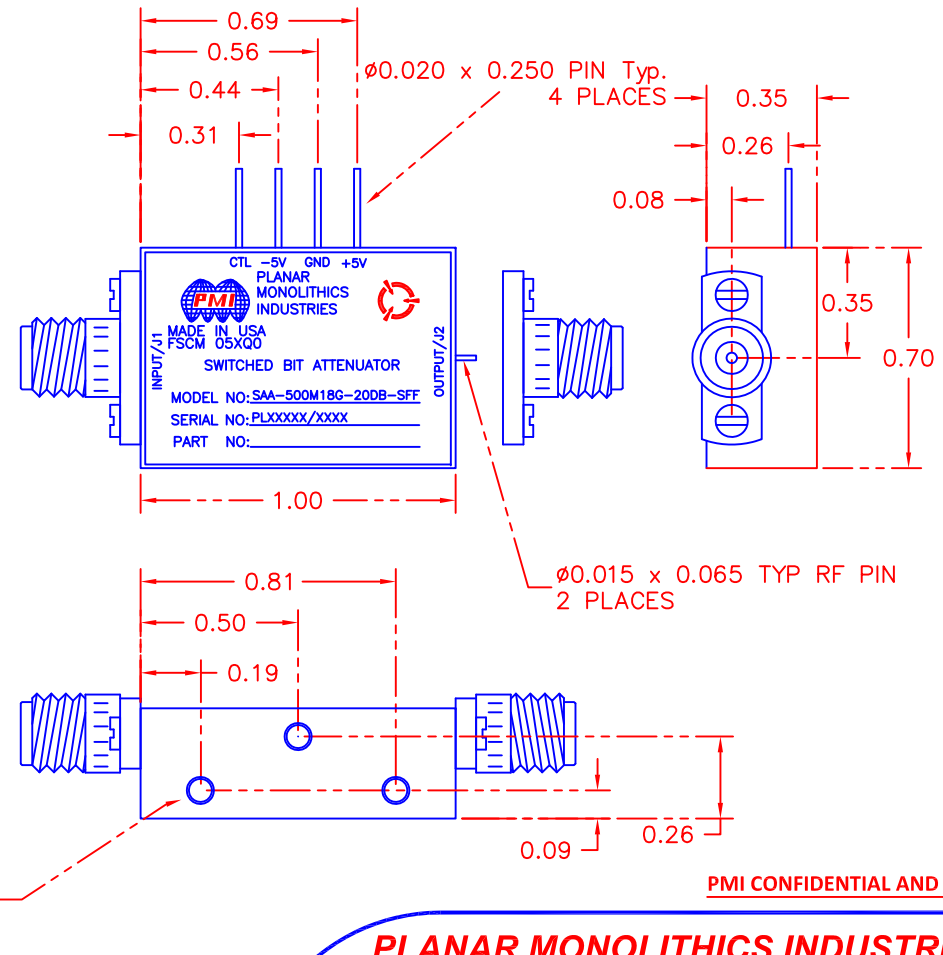
## ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -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  $\pm$ 0.020  
X.XXX  $\pm$ 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/22/12	
	A2	ECN # 13-0012	04/11/13	
	A3	ECN # 14-0213	12/29/14	



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>JFR</i>		10/22/12	PRODUCT FEATURE SAA-500M18G-20DB-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27017801
ISSUED			SCALE N:S		REV. A3
					SHEET 1 OF 1