

DESCRIPTION

PMI MODEL SAA-1G18G-40DB-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: 1.0 TO 18 GHz
- ATTENUATION: 40dB $\pm$ 2.75dB NOMINAL
- INSERTION LOSS: 3dB MAX
- AMPLITUDE TRACKING FROM UNIT TO UNIT: 0.25 TYP. (PER LOT)
- SWITCHING SPEED: 100ns MAX
- TTL CONTROL: "0"=INSERTION LOSS
"1"=40dB 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: PAINTED BLUE

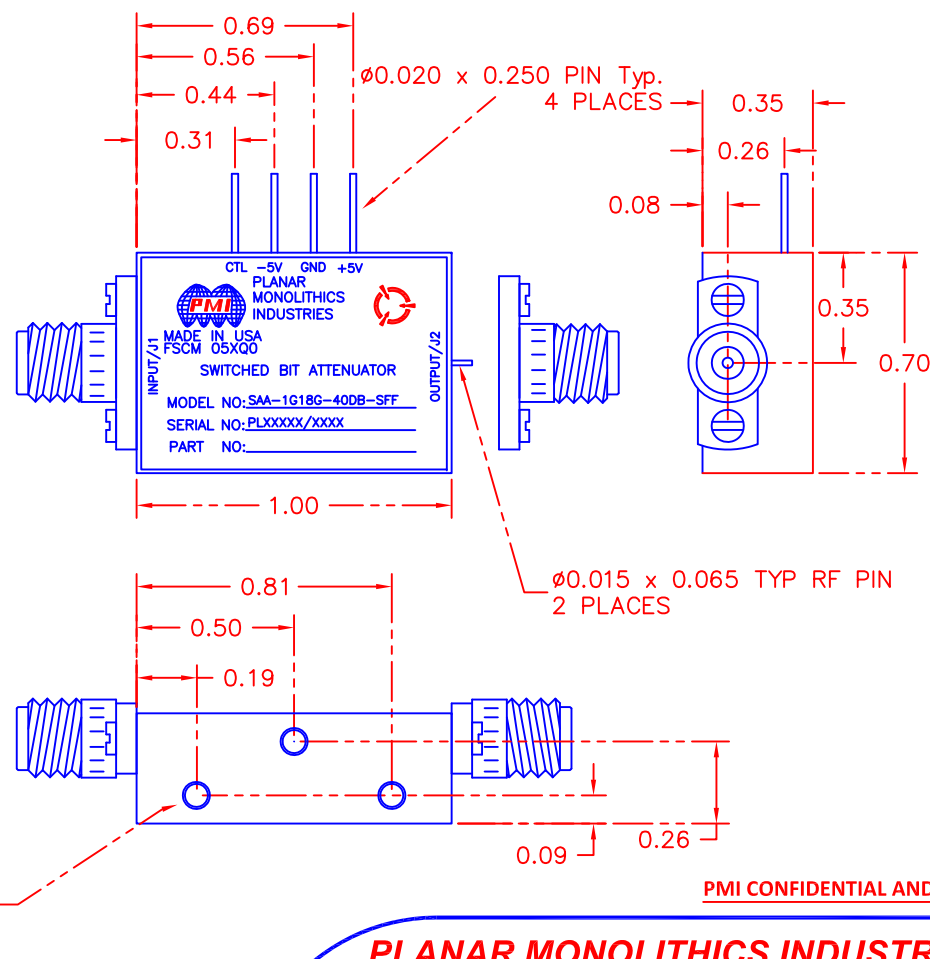
ENVIRONMENTAL RATINGS:

- 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
	—	PRELIMINARY	07/23/15	



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		07/23/15		PRODUCT FEATURE	
CHECKED				SAA-1G18G-40DB-SFF	
ISSUED				PRELIMINARY	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0			
SCALE		N:S		SHEET	
				1 OF 1	