

**DESCRIPTION:**

PMI MODEL NUMBER BPM-1G2G-1-SFF IS A BIPHASE MODULATOR DESIGNED TO OPERATE OVER THE 1.0GHZ TO 2.0GHZ FREQUENCY RANGE. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
	A	ORIGINAL RELEASE	3/1/11	<i>PK</i>
	B	SPEC CHANGES	4/11/12	

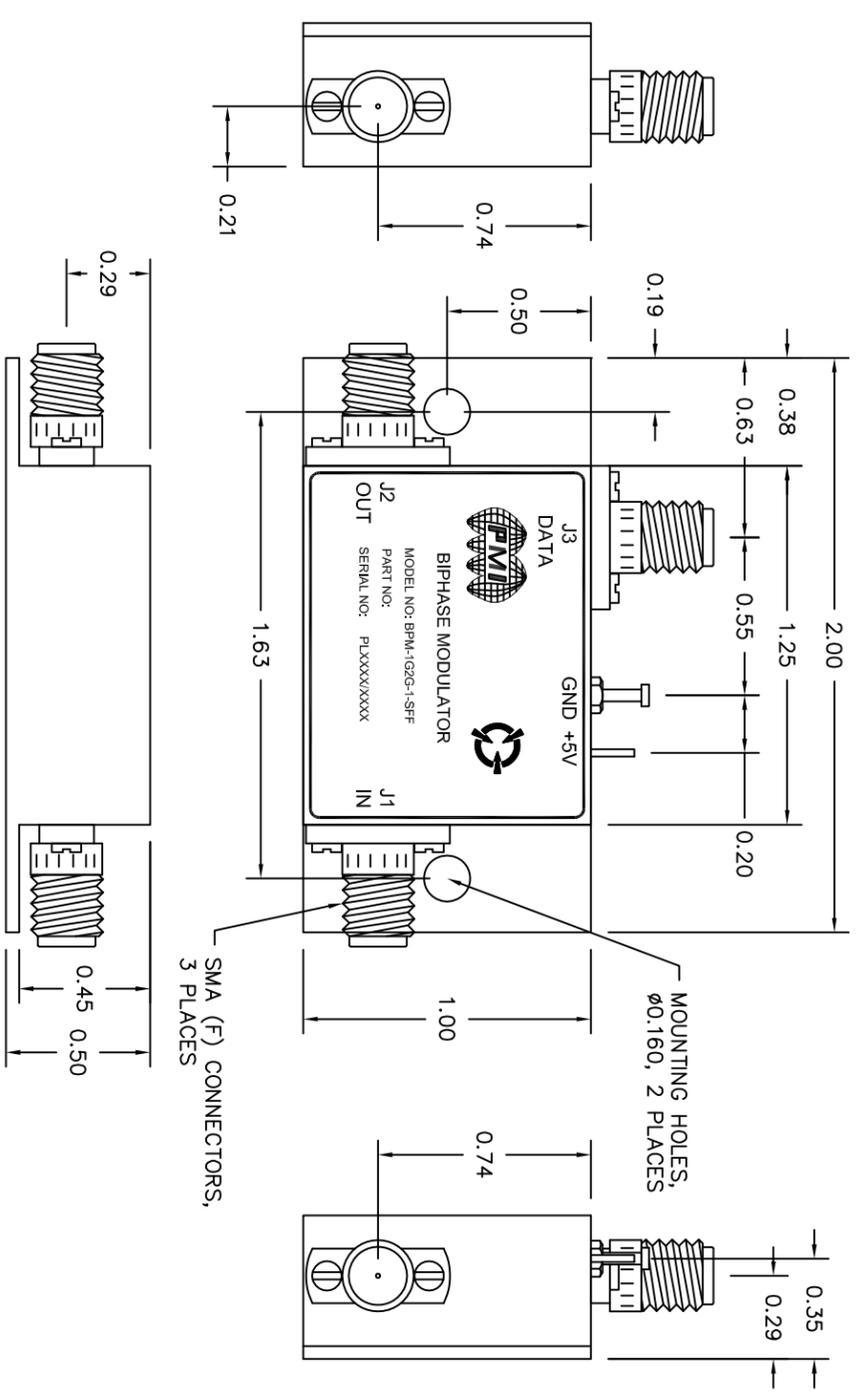
**SPECIFICATIONS:**

- FREQUENCY: . . . . . 1.0 GHz TO 2.0 GHz
- INSERTION LOSS: . . . . . 8.8 dB MAXIMUM
- VSWR: . . . . . 2.0:1 MAXIMUM
- AMPLITUDE BALANCE: . . . . . 0.25 dB TYPICAL  
0.75 dB MAXIMUM
- PHASE BALANCE: . . . . . ±2° TYPICAL  
±5° MAXIMUM
- CARRIER SUPPRESSION: . . . . . -30 dBc TYPICAL
- IMPEDANCE: . . . . . 50 OHMS
- SWITCHING SPEED: . . . . . 5 ns TYPICAL  
(50% CONTROL TO 90% RF)
- DATA SIGNAL: . . . . . TTL COMPATIBLE
- RF INPUT POWER: . . . . . -3 dBm MAXIMUM
- POWER SUPPLY: . . . . . +5V @ 25 mA TYPICAL
- RF CONNECTORS: . . . . . SMA FEMALE CONNECTORS
- DC CONNECTOR: . . . . . SOLDER PIN
- WEIGHT: . . . . . 1.5 OZ. TYPICAL
- FINISH: . . . . . PAINTED GRAY

**ENVIRONMENTAL RATINGS**

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



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 ISO 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE	
<i>PK</i>		3/1/11		PRODUCT FEATURE	
DRAWN				BPM-1G2G-1-SFF	
<i>PK</i>					
CHECKED				SIZE FSCM NO.	
				A 05X00	
ISSUED				DWG NO.	
				27015146	
				SCALE N:S	
				SHEET 1 OF 1	
				REV. B	

ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 XXXX ±0.010  
 XXXX ±0.005