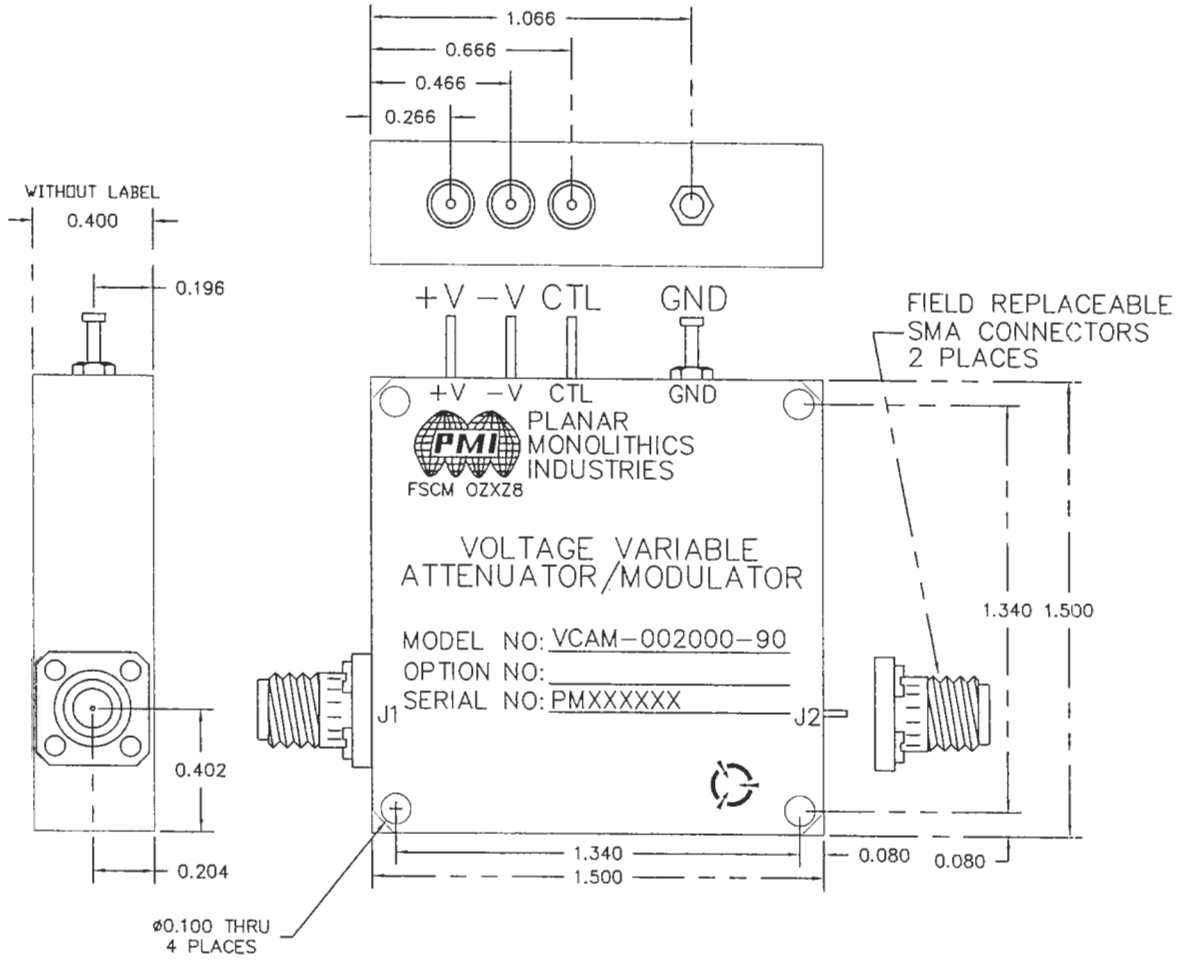
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	ORIGINAL RELEASE JOB# P305016	07/18/03	
	A	ECN NUMBER 03-049	11/17/03	

PRODUCT DESCRIPTION:

PMI MODEL NUMBER VCAM-002000-90 IS A VOLTAGE CONTROLLED MMIC MODULATOR/ATTENUATOR DESIGNED TO OPERATE AT 1.4 GHz FREQUENCY ± 300 MHz.

SPECIFICATIONS:

- FREQUENCY RANGE: 1.4 GHz ± 300 MHz
- RF INPUT VSWR: 2.0:1
- RF OUTPUT VSWR: 2.0:1
- INSERTION LOSS: 7 dB MAXIMUM
- ISOLATION (MAXIMUM ATTENUATION): 80 dB MINIMUM
  90 dB TYPICAL
- PULSE RISE TIME: 50 nSec TYPICAL
  100 nSec MAXIMUM
- PULSE FALL TIME: 50 nSec TYPICAL
  100 nSec MAXIMUM
- D.C. POWER +9V TO +15V: 25 mA
- D.C. POWER −9V TO −15V: 25 mA



ENVIRONMENTAL RATINGS

- OPERATING TEMPERATURE: −65°C TO 110°C
- NON-OPERATING TEMPERATURE: −65°C TO 125°C
- 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

PART NO.	
APPROVALS	DATE
DRAWN JKM	11/17/03
REDRAWN JDJ	8/24/04
ISSUED	8/31/04

PLANAR MONOLITHICS INDUSTRIES
FREDERICK, MARYLAND

TITLE
PRODUCT FEATURE
VCAM-002000-90
1.4 GHz ± 300 MHz, VOLTAGE CONTROLLED MMIC ATTENUATOR

SIZE	FSCM NO.	DWG NO.	REV.
A	0ZXZ8	100-6668	A

SCALE N/A SHEET 1 OF 3