

DESCRIPTION:

AMC MODEL NUMBER DVAN-6012E-60-8 OPTIONS 412, PI, NRA01 IS A DIGITALLY CONTROLLED ATTENUATOR DESIGNED FOR THE 4 GHz TO 12 GHz FREQUENCY RANGE.

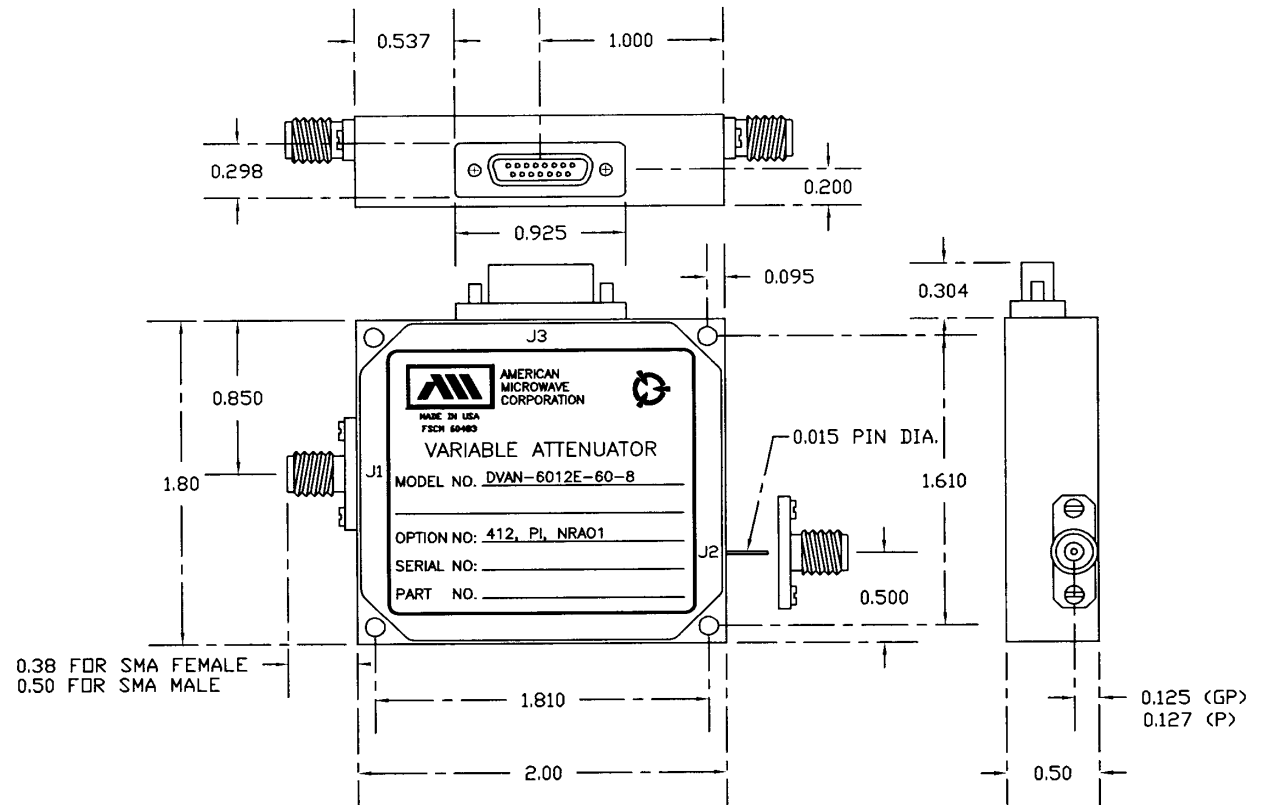
ZONE		REV.	DESCRIPTION	DATE	APPROVED
-		-	ORIGINAL RELEASE, JOB# 909171E	11/06/09	

SPECIFICATIONS:

- FREQUENCY: 4 GHz TO 12 GHz
- INSERTION LOSS: 6.0 dB
- VSWR: 0-20 dB: 1.5:1
..... 20-32 dB: 2.5:1
- SWITCHING SPEED: 10 uSEC
- FREQUENCY FLATNESS: 0-20 dB: ± 0.5 dB
..... 20-32 dB: ± 2.0 dB
- ATTENUATION ACCURACY: 0-20 dB: ± 1 dB
..... 20-32 dB: ± 1.5 dB
- POWER SUPPLY: +12V @ 210 mA MAXIMUM
..... -12V @ 30 mA MAXIMUM
- PHASE VARIATION: ±10° FOR ATTENUATION RANGE
..... 0-20 dB OVER FREQUENCY RANGE
..... OF 4 GHz TO 12 GHz

J3 PIN FUNCTION	
PIN	FUNCTION
1	N/C
2	N/C OR LATCHING STROBE INPUT
3	N/C
4	GND
5	0.25dB (LSB)
6	0.5dB
7	1dB
8	2dB
9	4dB
10	8dB
11	16dB
12	32dB (MSB)
13	+12V TO +15V
14	-12V TO -15V
15	N/C

MECHANICAL OUTLINE



CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°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: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
DRAWN		11/06/09	TITLE PRODUCT FEATURE DVAN-6012E-60-8 OPTIONS 412, PI, NRA01	
CHECKED			SIZE	REV.
ISSUED			A	-
			FSCM NO.	DWG NO.
			60483	100-6837
			SCALE N:S	SHEET 1 of 3