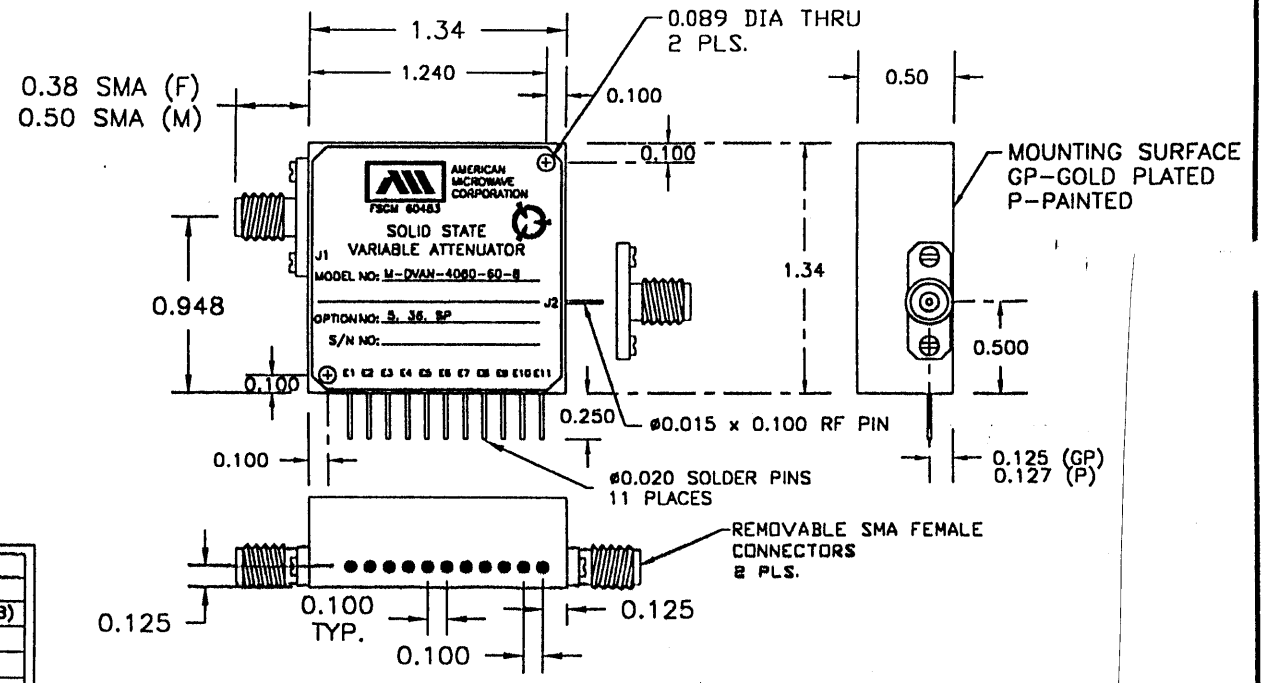
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	ORIGINAL RELEASE	9/1/99	TMS

DESCRIPTION:

AMC MODEL M-DVAN-4080E-60-8 OPTION 5, 36, SP IS AN EIGHT BIT, DIGITALLY VARIABLE, OCTAVE BAND, SURFACE MOUNT, MINIATURE ATTENUATOR WITH 64 dB DYNAMIC RANGE AND 350nS SWITCHING SPEED. DESIGNED TO OPERATE IN THE 3 TO 6 GHz BANDWIDTH.

SPECIFICATIONS:

- FREQUENCY: ..... 3.0 GHz TO 6.0 GHz
- INSERTION LOSS: ..... 2.5 dB MAXIMUM, 2.0 dB TYPICAL
- NUMBER OF BITS: 8
- TEMPERATURE: ..... -25°C TO +70°C
- TEMPERATURE COEFFICIENT: ..... ±0.02dB/DEGREE C
- LSB: ..... 0.25 dB
- ATTENUATION RANGE: ..... 64 dB
- ATTENUATION ACCURACY: ..... 0-30 dB ±0.5 dB
  >30-50 dB ±1.0 dB
  >50-64 dB ±1.5 dB
- VSWR (INPUT/OUTPUT): 2.0:1
- SWITCHING SPEED: ..... 350 nS MAXIMUM, 200 nS TYPICAL
- INPUT POWER: ..... +20 dBm OPERATING
  +30 dBm SURVIVAL
- CONTROL: ..... TTL
- DC POWER SUPPLY: ..... +15V @ 150 mA MAXIMUM
  -15V @ 75 mA MAXIMUM
- CASE STYLE: ..... SURFACE MOUNT
- WEIGHT: ..... 3 OUNCES TYPICAL
- SIZE: ..... 1.34 (L) X 1.34 (W) X 0.5 (H)



PIN OUT TABLE	
PIN NO.	FUNCTION
E1	0.25 dB (LSB)
E2	0.5 dB
E3	1.0 dB
E4	2.0 dB
E5	4.0 dB
E6	8.0 dB
E7	16.0 dB
E8	32.0 dB
E9	+15V
E10	GROUND
E11	-15V

N/C = NOT CONNECTED

ENVIRONMENTAL RATINGS:

- TEMPERATURE: ..... -25°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: 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	WJP	9/1/99
CHECKED	DA	9/1/99
ISSUED		

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

OUTLINE DRAWING
M-DVAN-4080E-60-8
OPTION 5, 36, SP

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-4162-5	–

SCALE N/S SHEET 1 of 2