

DESCRIPTION:

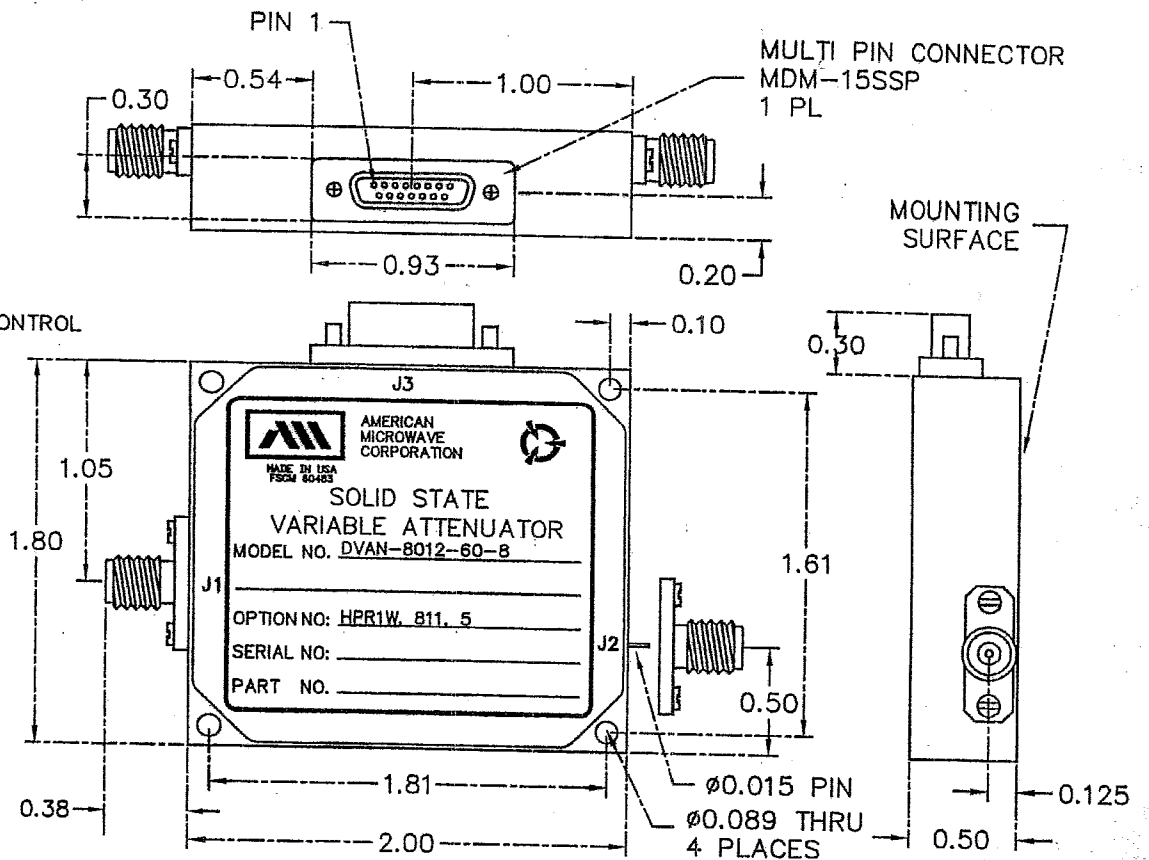
AMC MODEL DVAN-8012-60-8 OPTION: HPR1W, 811, 5 IS A 8.5 TO 11 GHz, HIGH POWER, 1 WATT, 8 BIT DIGITALLY CONTROLLED ATTENUATOR HAVING AN INSERTION LOSS OF 2.7 dB, AN ATTENUATION RANGE OF 0 TO 60 dB, INPUT POWER OF 1 WATT, AND A VSWR OF 2.0:1.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL JOB# 202040E	04/08/02	

SPECIFICATIONS:

- FREQUENCY RANGE:.....8.5 - 11 GHz MINIMUM
- INSERTION LOSS:.....2.7 dB MAXIMUM
- ATTENUATION FLATNESS:.....0-10 dB ± 0.8 dB MAXIMUM
10-20 dB ± 1.1 dB MAXIMUM
20-40 dB ± 1.5 dB MAXIMUM
40-60 dB ± 1.6 dB MAXIMUM
- ATTENUATION LINEARITY:.....0-30 dB ± 0.5 dB MAXIMUM
30-50 dB ± 1.0 dB MAXIMUM
50-60 dB ± 1.5 dB MAXIMUM
- SWITCHING TIME:.....500 nSec MAXIMUM
- VSWR (ON/OFF):.....2.0:1 MAXIMUM
- POWER RATINGS:.....1 WATT MAXIMUM
- CONTROL:.....8 BIT TRUE BINARY LOGIC
- POWER SUPPLY:.....+15V @ 150 mA MAXIMUM
-15V @ 150 mA MAXIMUM
- CONNECTORS:
RF INPUT/OUTPUT:.....FIELD REPLACEABLE SMA (FEMALE)
POWER AND CONTROLS:.....15 PIN MULTIPIN FOR POWER AND CONTROL MATING CONNECTOR
ITT CANNON MDM-15PSP FURNISHED
- SIZE:.....1.80" (L) x 2.00" (W) x 0.50" (H)
- WEIGHT:.....3.5 OUNCES TYPICAL

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



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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

CONFIDENTIAL AND PROPRIETARY

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE PRODUCT FEATURE DVAN-8012-60-8 OPTION: HPR1W, 811, 5	
DRAWN 929	04/08/02	SIZE	FSCM NO. 60483
CHECKED [Signature]	5/1/02	DWG NO.	100-6344
ISSUED [Signature]	5/1/02	REV.	-
SCALE N:S		SHEET 1 OF 3	