DESCRIPTION:

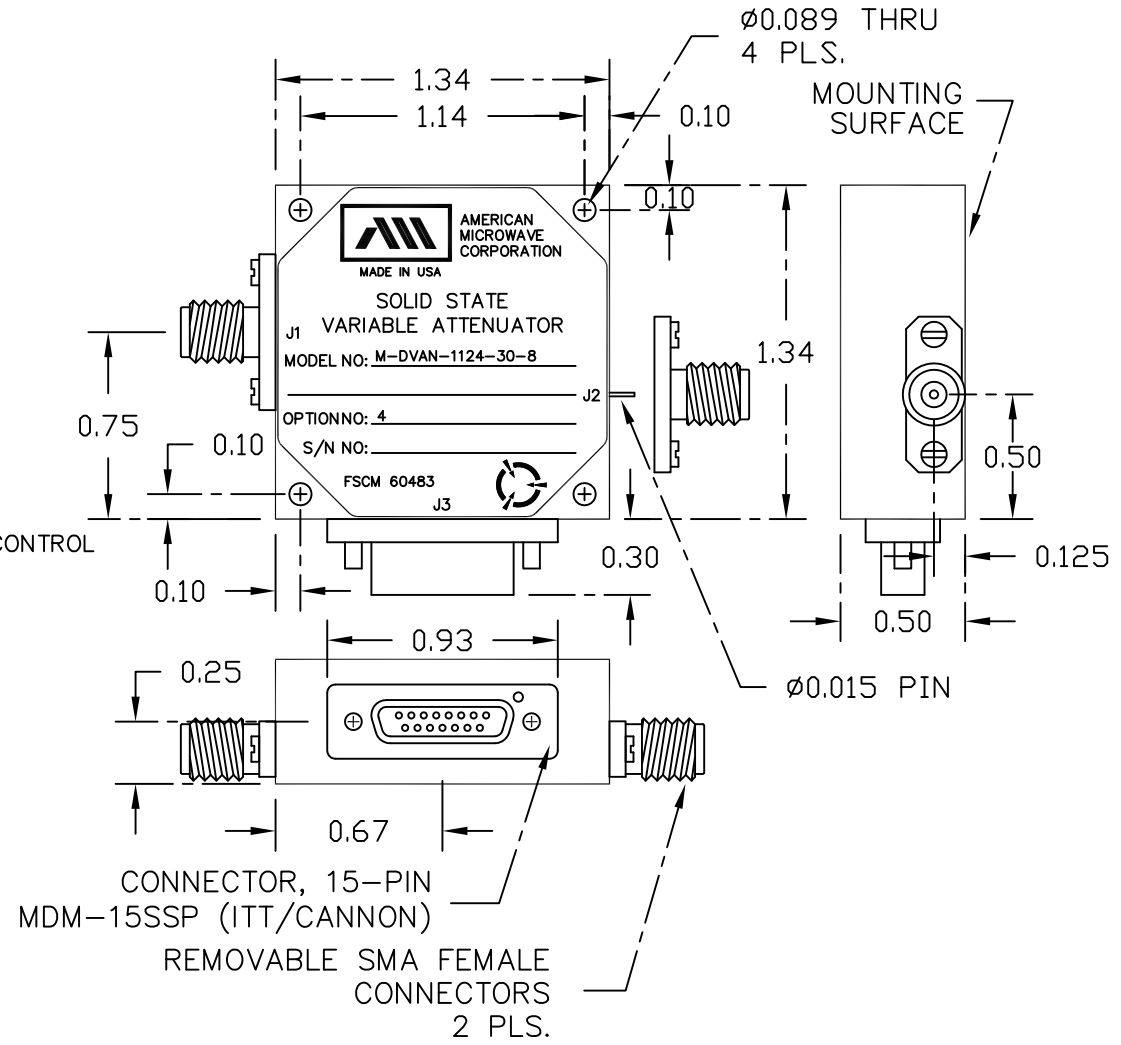
AMC MODEL M–DVAN–1124–30–8 OPTION: 4 IS A SPECIALLY DESIGNED 11 TO 24 GHz, 0 TO 30 dB DYNAMIC RANGE ATTENUATOR WITH 8 BIT CAPACITY.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	ORIGINAL JOB# 203044E	04/09/02	
	A	SEE ECN# 11–094	10/4/11	RA

SPECIFICATIONS:

- FREQUENCY RANGE: ..... 11 – 24 GHz MINIMUM
- INSERTION LOSS: ..... 4.25 dB MAXIMUM
- ATTENUATION FLATNESS: ..... @ 10 dB ± 1.25 dB MAXIMUM
  @ 20 dB ± 1.75 dB MAXIMUM
  @ 30 dB ± 2.25 dB MAXIMUM
- ATTENUATION LINEARITY: ..... 0–20 dB ± 0.5 dB MAXIMUM
  >20 dB ± 0.7 dB MAXIMUM
- SWITCHING TIME: ..... 500 nS MAXIMUM
- VSWR (ON/OFF): ..... 2.0:1 MAXIMUM
- POWER RATINGS:
  - OPERATING: ..... +20 dBm
  - SURVIVAL: ..... +30 dBm
- CONTROL: ..... 8 BIT TRUE BINARY LOGIC
- POWER SUPPLY: ..... +15V @ 150 mA MAXIMUM

- CONNECTORS;
  - RF INPUT/OUTPUT: ..... REMOVABLE SMA FEMALE
  - POWER AND CONTROLS: ..... 15–PIN MULTIPIN FOR POWER AND CONTROL
- SIZE: ..... 1.34" (L) x 1.34" (W) x 0.50" (H)



J3 PIN FUNCTION			
PIN	FUNCTION	PIN	FUNCTION
1	1 dB	9	N/C
2	0.5 dB	10	N/C
3	0.25 dB	11	+15V
4	0.125 dB (LSB)	12	16 dB (MSB)
5	GND	13	8 dB
6	N/C	14	4 dB
7	N/C	15	2 dB
8	N/C		

ENVIRONMENTAL RATINGS

- **TEMPERATURE** ..... –40°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 SPECIFICATION ARE SUBJECT TO CHANGE OR REVISION.

* Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

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 M–DVAN–1124–30–8 OPTION: 4			
DRAWN JDJ	04/09/02	SIZE A	FSCM NO. 60483	DWG NO. 100–6345	REV. A
CHECKED		SCALE N: S		SHEET 1 OF 1	
ISSUED					