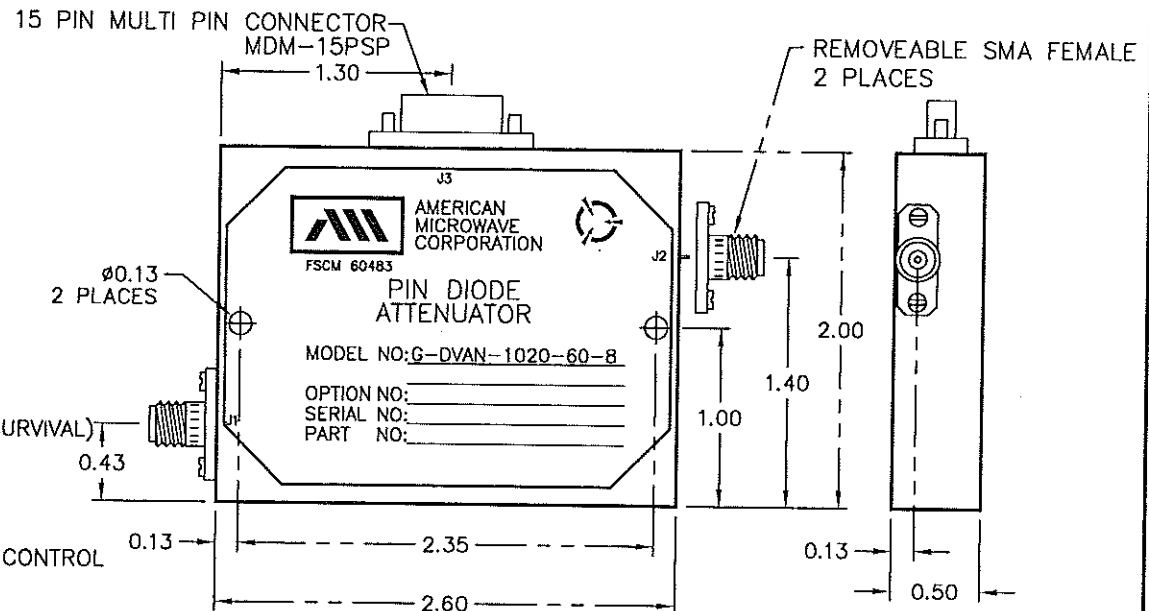


## DESCRIPTION

AMC MODEL G-DVAN-1020-60-8 IS A 1.0 TO 2.0 GHz 8 BIT PIN DIODE ATTENUATOR HAVING AN INSERTION LOSS OF 2.0 dB MAXIMUM AND A VSWR OF 2.0:1 MAXIMUM.

## SPECIFICATIONS

- FREQUENCY RANGE: ..... 1.0 - 2.0 GHz
- INSERTION LOSS: ..... 2.0 dB MAXIMUM
- VSWR: ..... 2.0:1 MAXIMUM
- FLATNESS: .....
  - ⊙ 10 dB: ± 0.5 dB MAXIMUM
  - ⊙ 20 dB: ± 1.1 dB MAXIMUM
  - ⊙ 40 dB: ± 1.5 dB MAXIMUM
  - ⊙ 60 dB: ± 1.6 dB MAXIMUM
- ACCURACY: .....
  - 0-30 dB: ± 0.5 dB MAXIMUM
  - >30-50 dB: ± 1.0 dB MAXIMUM
  - >50-60 dB: ± 1.5 dB MAXIMUM
- MONOTICITY: ..... GUARANTEED
- TEMPERATURE COEFFICIENT: ..... ±0.025 dB/°C
- SWITCHING SPEED: ..... 1 uSec MAXIMUM (SEE NOTE)
- RF POWER RATINGS: ..... +20 dBm (OPERATING), +30 dBm (SURVIVAL)
- CONTROL: ..... 8-BIT POSITIVE TRUE BINARY
- DC POWER SUPPLY: ..... +12V @ 150mA
- CONNECTORS: .....
  - REMOVABLE SMA FEMALE FOR RF
  - 15-PIN MULTIPIN FOR POWER AND CONTROL



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

### NOTE:

1. FOR 500ns SWITCHING SPEED, FLATNESS WILL INCREASE

## 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 SPECIFICATIONS 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	6/9/09	

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ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	<i>K. J. M. S.</i>	6/9/09	PRODUCT FEATURE G-DVAN-1020-60-8 1.0 - 2.0 PIN DIODE ATTENUATOR		
CHECKED	<i>PK</i>	6/10/09	SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-7854
			SCALE	N:S	SHEET 1 OF 1
					REV. A