

DESCRIPTION

AMC MODEL DVAN-4080-60-8 IS A 4.0 TO 8.0 GHz 8 BIT DIGITALLY VARIABLE ATTENUATOR HAVING AN INSERTION LOSS OF 2.5 dB MAXIMUM AND A VSWR OF 2.0:1 MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: 4.0 TO 8.0 GHz
- INSERTION LOSS: 2.5 dB MAXIMUM
- VSWR: 2.0:1 MAXIMUM
- FLATNESS:
 - ⊙ 10 dB: ± 0.5 dB MAXIMUM
 - ⊙ 20 dB: ± 1.0 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 @ 150 mA MAXIMUM
- CONNECTORS: REMOVABLE SMA FEMALE FOR RF
15-PIN MULTIPIN FOR POWER AND CONTROL

NOTE:

1. FOR 500nS SWITCHING SPEED, FLATNESS WILL INCREASE

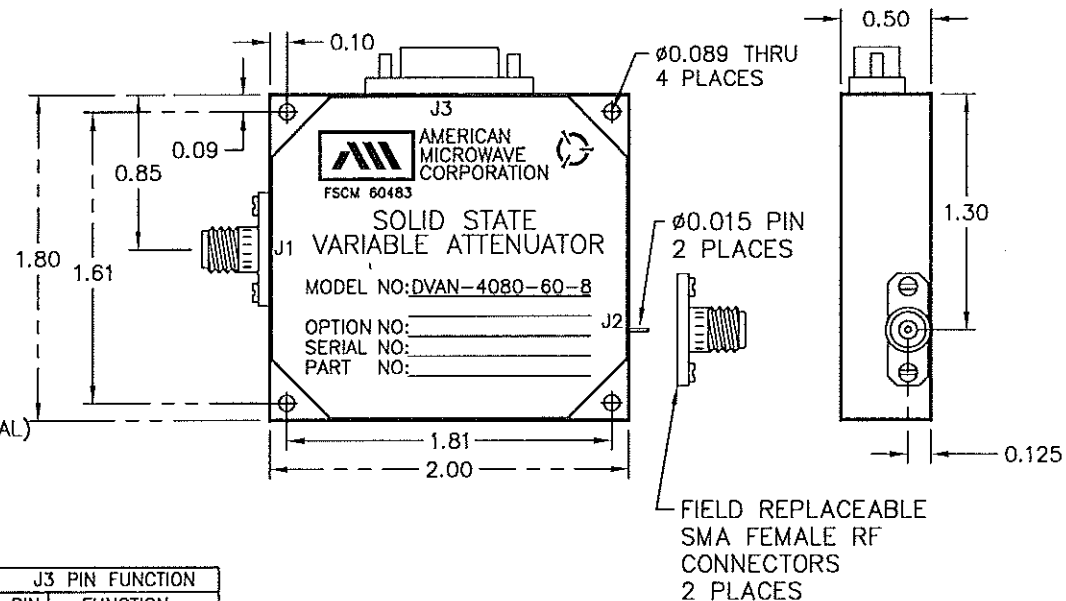
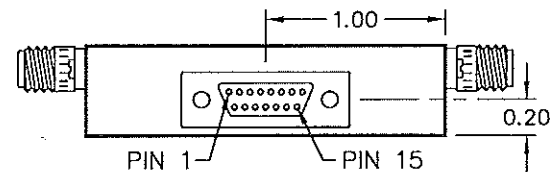
ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +75°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.

ZONE		REV.		DESCRIPTION	DATE	APPROVED
	A			ORIGINAL RELEASE	6/3/09	



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

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

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APPROVALS		DATE	TITLE			
DRAWN	<i>KC</i>	6/3/09	PRODUCT FEATURE DVAN-4080-60-8 4.0 - 8.0 DIGITALLY VARIABLE ATTENUATOR			
CHECKED	<i>JK</i>	6/10/09	SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	60483	100-7857	A
			SCALE	N:S		SHEET 1 OF 2