

DESCRIPTION

AMC MODEL DVAN-8018-60-8 IS A 8.0 TO 18.0 GHz 8 BIT DIGITALLY VARIABLE ATTENUATOR HAVING AN INSERTION LOSS OF 3.8 dB MAXIMUM AND A VSWR OF 2.0:1 MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE:.....8.0 TO 18.0 GHz
- INSERTION LOSS:.....2.7 dB TYPICAL TO 16GHz
3.7 dB MAXIMUM (16 TO 18GHz)
- VSWR:.....2.0:1 MAXIMUM
- FLATNESS:.....
 - ⊙ 10 dB: ± 0.8 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 @ 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

OPTIONS:

GP = GOLD PLATED MOUNTING SURFACE

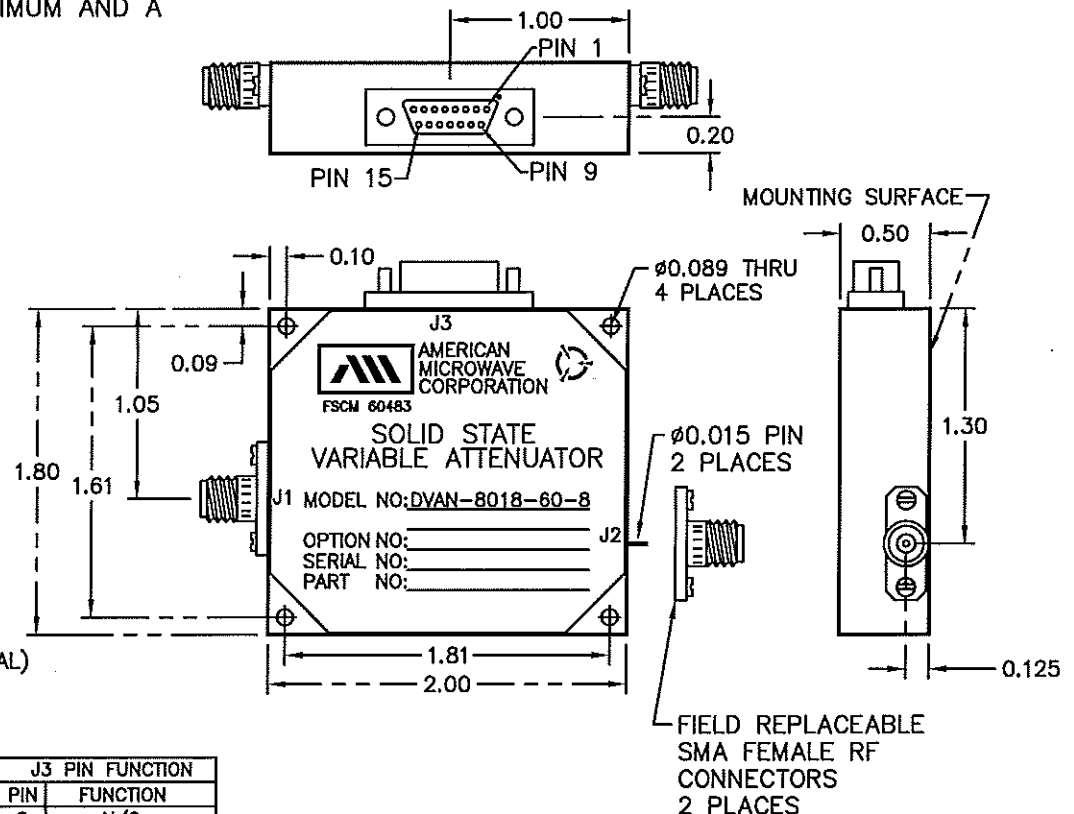
ENVIRONMENTAL RATINGS

- **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.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	6/9/09	
	B	SEE ECN# 10-009	9/1/10	SA



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

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APPROVALS		DATE	TITLE		
DRWN	K JPMMS	6/9/09	PRODUCT FEATURE DVAN-8018-60-8 8.0 - 18.0 DIGITALLY VARIABLE ATTENUATOR		
ENGR	K JPMMS	6/9/09	SIZE	FSCM NO.	DWG NO.
CHK	K JPMMS	6/9/09	A	60483	100-7860
			SCALE	N:S	SHEET 1 OF 2
					REV. B