

DESCRIPTION

AMC MODEL DVAT-0518-60-8-SK-193 OPTION A06 IS A 0.5 TO 18 GHz VARIABLE ATTENUATOR/MODULATOR WITH 8 BIT BINARY TTL CONTROL OR OPTIONAL ANALOG VOLTAGE CONTROL.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 18 GHz
- INSERTION LOSS: 4.0 dB MAXIMUM
- ATTENUATION FLATNESS:
 - ◎ 5 dB = ± 0.5 dB
 - ◎ 10 dB = ± 0.75 dB
 - ◎ 20 dB = ± 1.5 dB
 - ◎ 30 dB = ± 2.5 dB
- ATTENUATION ACCURACY: 0-30 dB = ± 1.0 dB
- MONOTONICITY: GUARANTEED
- TEMPERATURE VARIATION:
 - ± 2.5dB -10 to 85 deg C Typ
 - ± 3.5dB -40 to 95 deg C Typ
- SWITCHING TIME: 5 micro sec MAXIMUM
- RETURN LOSS: -12 dB TYP -8.5 dB MAX
- POWER RATING: +20 dBm (see note 1)
- POWER SUPPLY: +12V @ 150 mA MAXIMUM
- CONNECTORS
- RF INPUT/OUTPUT: FIELD REPLACEABLE SMA (FEMALE)
- POWER AND CONTROLS: 15 PIN MICRO-D FEMALE MATING CONNECTOR (MALE) FURNISHED
- SIZE: 2.00" x 1.81" x 0.50"

OPTIONS:

- A06 32 dB DYNAMIC RANGE WITH 0.125dB STEPS

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.

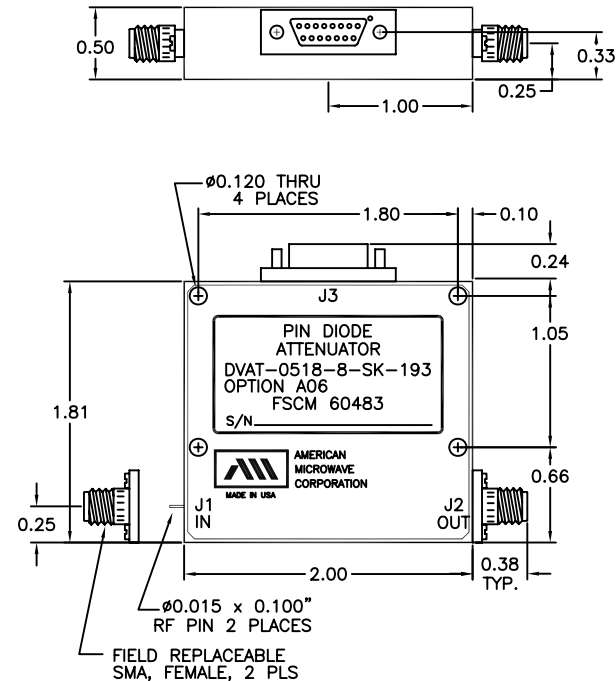
* Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

STANDARD PIN NUMBERING	
PIN	FUNCTION
8	GND
7	Option: Latch En
6	Option: Analog I/P
5	GND
4	0.125 dB (LSB)
3	0.25 dB
2	0.5 dB
1	1 dB
15	2 dB
14	4 dB
13	8 dB
12	16 dB (MSB)
11	+12VDC
10	Not Used
9	Not Used

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:

X.XX ±0.010
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	SEE ER# 014-09	7/28/09	RA



NOTES

1. Low Frequency reduced power performance refer to test report.
2. Negative supply only for compatability with previous models.
3. Negative supply may be -V, or Ground or Open Circuit.
4. SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE.
5. SPECIFICATIONS SUBJECT TO CHANGE OR REVISION.

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APPROVALS		DATE	TITLE		
DRAWN	<i>K PPMMS</i>	7/28/09	PRODUCT FEATURE DVAT-0518-60-8-SK-193 OPTION: A06 0.5-18 GHz, VARIABLE ATTENUATOR		
ENG.	<i>RA</i>	7/28/09	SIZE	FSCM NO.	DWG NO.
QAE	<i>K PPMMS</i>	7/28/09	A	60483	100-7870
			SCALE	N:S	
			SHEET		1 OF 4