DESCRIPTION
AMC MODEL DVAT-0518-60-8-SK-196 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: 4.5 dB MAXIMUM
- ATTENUATION FLATNESS:
  - @ 10 dB = ± 1.0 dB
  - @ 20 dB = ± 1.5 dB
  - @ 40 dB = ± 3.0 dB
  - @ 60 dB = ± 5.5 dB
- ATTENUATION ACCURACY:
  - 0–30 dB = ± 1.0 dB
  - >30–50 dB = ± 1.3 dB
  - >50–60 dB = ± 1.5 dB
- MONOTONICITY: GUARANTEED
- TEMPERATURE VARIATION:
  - ± 2.5 dB 0 to 85 deg C Typ
  - ± 3.5 dB 0 to 95 deg C Typ
- SWITCHING TIME: 1.5 micro sec MAXIMUM
- SMALL SIGNAL BANDWIDTH: 150 kHz Typ (6 dB with ±3 dB sinewave)
- LARGE SIGNAL BANDWIDTH: 75 kHz Typ (30 dB with ±30 dB sinewave)
- RETURN LOSS: -12 dB Typ, -8.5 dB MAX
- POWER RATING: +20 dBm (see note 1)
- DIGITAL CONTROL: 8 BIT TTL
  - 0.25 dB MINIMUM ATTENUATION STEP
- ANALOG CONTROL option: 0–6V ANALOG VOLTAGE, 10dB/VOLT
- 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
- A05 +15V POWER SUPPLY

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

NOTES
1. Low Frequency reduced power performance refer to test report.
2. Negative supply only for compatibility 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.