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
- 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
- MONOTONICITY: 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:
- CP = GOLD PLATED MOUNTING SURFACE
- 4 = 30dB DYNAMIC RANGE

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.