DESCRIPTION
AMC MODEL DVAN-6012-60-8 IS A 6.0 TO 12.0 GHz 8 BIT DIGITALLY VARIABLE ATTENUATOR HAVING AN INSERTION LOSS OF 2.8 dB MAXIMUM AND A VSWR OF 2.0:1 MAXIMUM.

SPECIFICATIONS
- FREQUENCY RANGE: 6.0 TO 12.0 GHz
- INSERTION LOSS: 2.8 dB MAXIMUM
- VSWR: 2.0:1 MAXIMUM
- FLATNESS: @ 10 dB: ± 0.7 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
- 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:
GP = 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.