DESCRIPTION
AMC MODEL G-DVAN-1020-60-8 IS A 1.0 TO 2.0 GHz 8 BIT PIN DIODE ATTENUATOR HAVING AN INSERTION LOSS OF 2.0 dB MAXIMUM AND A VSWR OF 2.0:1 MAXIMUM.

SPECIFICATIONS
- FREQUENCY RANGE: 1.0 - 2.0 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM
- VSWR: 2.0:1 MAXIMUM
- FLATNESS:
  - @ 10 dB: ± 0.5 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 µSec MAXIMUM (SEE NOTE)
- RF POWER RATING:
  - +20 dBm (OPERATING), +30 dBm (SURVIVAL)
- CONTROL:
  - 8-BIT POSITIVE TRUE BINARY
- DC POWER SUPPLY:
  - +12V ± 150mA
- CONNECTORS:
  - REMOVABLE SMA FEMALE FOR RF 15-PIN MULTIPIN FOR POWER AND CONTROL

NOTE:
1. FOR 500nS SWITCHING SPEED, FLATNESS WILL INCREASE

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 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.