DESCRIPTION
AMC MODEL DVAN-B018-60-8-COMDEV IS A 8.3 TO 11.7 GHz 8 BIT DIGITALLY VARIABLE ATTENUATOR HAVING AN INSERTION LOSS OF 3.0 dB MAXIMUM AND A VSWR OF 1.8:1 MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: 8.3 TO 11.7 GHz
- INSERTION LOSS: 3.0 dB MAXIMUM
- VSWR: 1.8:1 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
- MONOTONITY: GUARANTEED
- SWITCHING SPEED: 1 uSec MAXIMUM
- RF POWER RATINGS:
  - +20 dBm (OPERATING), +30 dBm (SURVIVAL)
- CONTROL: 8–BIT POSITIVE TRUE BINARY
- DC POWER SUPPLY:
  - +12V @ 150 mA MAXIMUM
  - -12V @ 75 mA MAXIMUM
- CONNECTORS:
  - REMOVABLE SMA FEMALE FOR RF
  - 15–PIN MULTIPIN FOR POWER AND CONTROL
- SIZE: 2.00” x 1.80” x 0.50”
- WEIGHT: ≤ 4 oz.

ENVIRONMENTAL RATINGS

- TEMPERATURE: 0°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: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE.
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION.
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MECHANICAL OUTLINE

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FIELD REPLACEABLE
SMA FEMALE RF CONNECTORS
2 PLACES

AMERICAN MICROWAVE CORPORATION
7311-G GROVE ROAD
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ISO 9001:2000 CERTIFIED

MECHANICAL OUTLINE
DVAN-8018-60-8-COMDEV

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XXX ±0.020
X.XXX ±0.010