

## DESCRIPTION

AMC MODEL AGT-2000-60D IS A BROAD BAND VARIABLE ATTENUATOR/MODULATOR, 10db/VOLT ANALOG CONTROLLED (OTHER CONTROL VOLTAGES AVAILABLE)

## SPECIFICATIONS

- FREQUENCY RANGE ..... 30 MHz – 2.0 GHz MINIMUM
- INSERTION LOSS ..... 3.2 dB MAXIMUM
- ATTENUATION FLATNESS  
(± dB MAXIMUM) ..... 0-30 dB ±0.5 dB MAXIMUM  
30-50 dB ±1.5 dB MAXIMUM  
50-60 dB ±2.5 dB MAXIMUM
- ATTENUATION ACCURACY ..... 0-10 dB ±2.0 dB MAXIMUM  
10-20 dB ±1.0 dB MAXIMUM  
20-50 dB ±1.5 dB MAXIMUM  
50-60 dB ±2.0 dB MAXIMUM
- SWITCHING TIME ..... ON: 25 μsec OFF: 10 μsec
- VSWR ..... 2.0:1 MAXIMUM , 1.75 TYPICAL  
(@ 0dB ATTENUATION)
- RF POWER RATINGS  
OPERATING ..... +10 dBm CW MAXIMUM, +20 dBm TYPICAL  
SURVIVAL ..... +30 dBm CW MAXIMUM
- CONTROL ..... 10dB/VOLT ANALOG CONTROLLED  
(OTHER CONTROL VOLTAGES AVAILABLE)
- POWER SUPPLY ..... +12VDC @ 250 mA MAXIMUM (210 mA TYPICAL)  
-12VDC @ 50 mA MAXIMUM (30 mA TYPICAL)
- CONNECTORS  
RF INPUT/OUTPUT ..... SMA FEMALE  
POWER AND CONTROLS ..... SOLDER PIN CONTROL
- SIZE ..... 2.00" x 1.81" x 0.88"

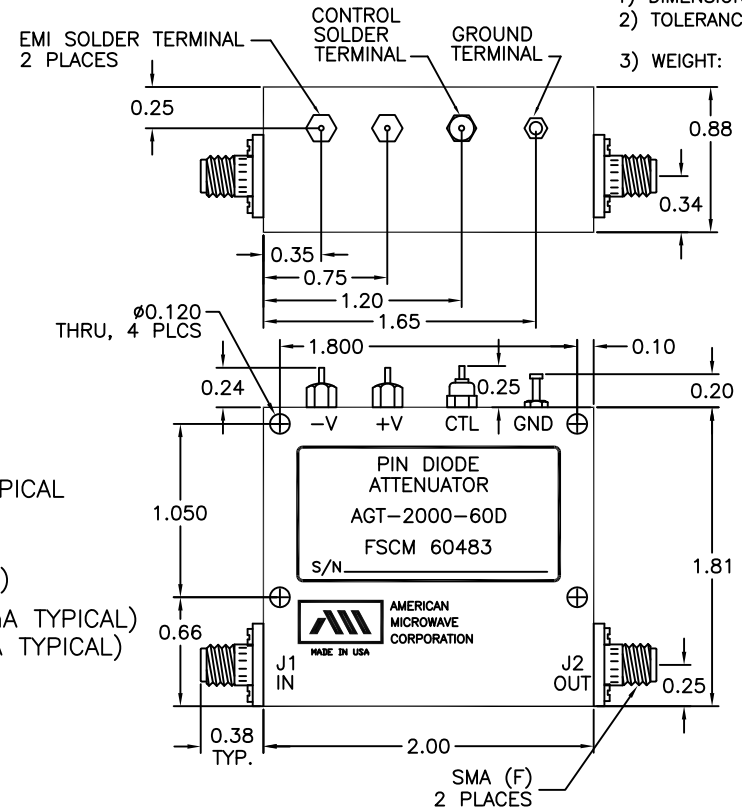
## AVAILABLE OPTIONS

- A01 ..... TWO SMA MALE RF CONNECTORS
- A02 ..... J1 SMA MALE, J2 SMA FEMALE
- A03 ..... FOR EXTENDED FREQUENCY RANGE UNITS OF  
2-18 GHz, 2-19 GHz, 0.3-18 GHz, 0.2-18 GHz,  
10 MHz-18 GHz AND ANALOG CONTROLLED REFER TO  
AGT-2018-60D-100 (SLIM LINE VERSION) DATA SHEETS. FOR  
DIGITAL CONTROL REFER TO AGT-2018-60DD-100 (SLIM LINE)
- A04 ..... 5dB/VOLT ANALOG CONTROL
- A05 ..... ±15 VDC POWER SUPPLY
- A06 ..... 0 TO 30 dB RANGE
- A07 ..... FOR HIGH SPEED UNITS OF ≤1 μsec AND EXTENDED  
FREQUENCY RANGE UNITS OF 2-18 GHz, 2-19 GHz, 0.3-18  
GHz AND 0.2-18 GHz REFER TO AGTN-2018-60D-100 (SLIM  
LINE). FOR DIGITAL CONTROLLED UNITS REFER TO DATA  
SHEETS AGTN-2018-60DD-100 (SLIM LINE)
- A08 ..... FOR DIGITAL CONTROL UNITS REFER TO AGT-2000-60DD-100  
(SLIM LINE VERSION) DATA SHEETS.
- A09 ..... MOUNTING SURFACE UNPAINTED
- SCS ..... SPECIAL CUSTOMER SPECIFICATIONS

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| REVISIONS |      |                  |          |          |
|-----------|------|------------------|----------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE     | APPROVED |
|           | A    | ORIGINAL RELEASE | 04/28/93 |          |
|           | B    | SEE ECR# 10-028  | 7/6/10   | RA       |

## MECHANICAL OUTLINE



NOTES:


- 1) DIMENSIONS ARE IN INCHES
- 2) TOLERANCES: X.XX ±0.020  
X.XXX ±0.010  
APPROX. 4.0 OZ
- 3) WEIGHT:

## 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: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
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.

|   |     |           |
|---|-----|-----------|
|  |     |           |
|   |     | APPROVALS |
| DRAWN   | WSP | 04/28/93  |
| CHECKED   |     |           |

## AMERICAN MICROWAVE CORPORATION

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## PRODUCT FEATURE AGT-2000-60D

10 MHz – 2 GHz, VOLTAGE VARIABLE ATTENUATOR

SIZE A SHEET 1 OF 1 DWG. # 100-3127-3