

## DESCRIPTION

AMC MODEL AGT-2000-60D-100 IS A BROAD BAND VARIABLE ATTENUATOR/  
MODULATOR, 10dB/VOLT ANALOG CONTROLLED (OTHER CONTROL VOLTAGES AVAILABLE)

## SPECIFICATIONS

- FREQUENCY RANGE ..... 10 MHz - 2.0 GHz MINIMUM
- INSERTION LOSS ..... 2.5 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 0.50"

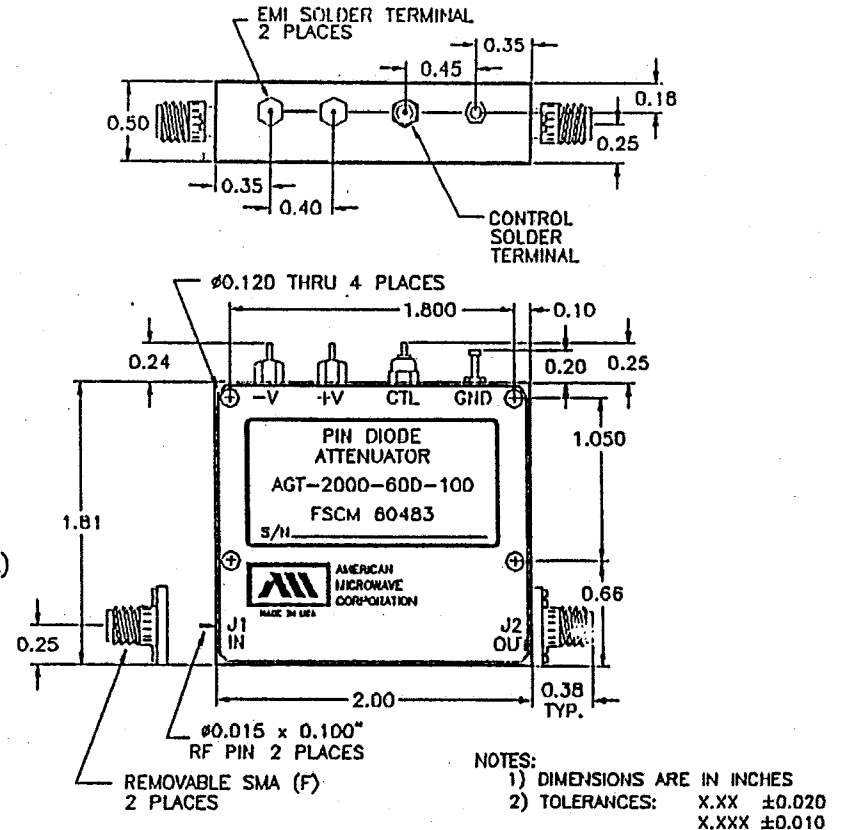
## AVAILABLE OPTIONS

- 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 REFER  
TO AGT-2018-60D-100 (SLIM LINE) DATA SHEET. FOR DIGITAL  
CONTROLLED UNITS 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 AGT-2018-60D-100  
(SLIM LINE). FOR DIGITAL CONTROLLED UNITS REFER  
TO AGT-2018-60DD-100 (SLIM LINE)
- A08 ..... FOR DIGITAL CONTROLLED UNIT REFER TO  
AGT-2000-60DD-100 DATA SHEET
- A09 ..... MOUNTING SURFACE UNPAINTED
- A10 ..... BLIND MATE CONNECTORS
- SCS ..... SPECIAL CUSTOMER SPECIFICATIONS

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ZONE		REV.	DESCRIPTION	DATE	APPROVED
		A	ORIGINAL RELEASE	04/28/99	AKG

## MECHANICAL OUTLINE



## ENVIRONMENTAL RATINGS

- TEMPERATURE ..... -55°C TO +125°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

APPROVALS	DATE
DRAWN: W.P.P.	01/28/99
CHECKED: [Signature]	04/99

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PRODUCT FEATURE  
AGT-2000-60D-100  
10 MHz - 2 GHz, VOLTAGE VARIABLE ATTENUATOR

SIZE A SHEET 1 OF 2 DWG. # 100-4229