

DESCRIPTION

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

SPECIFICATIONS

- FREQUENCY RANGE 100 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 <1 μsec (500 nsec TYPICAL)
- 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"

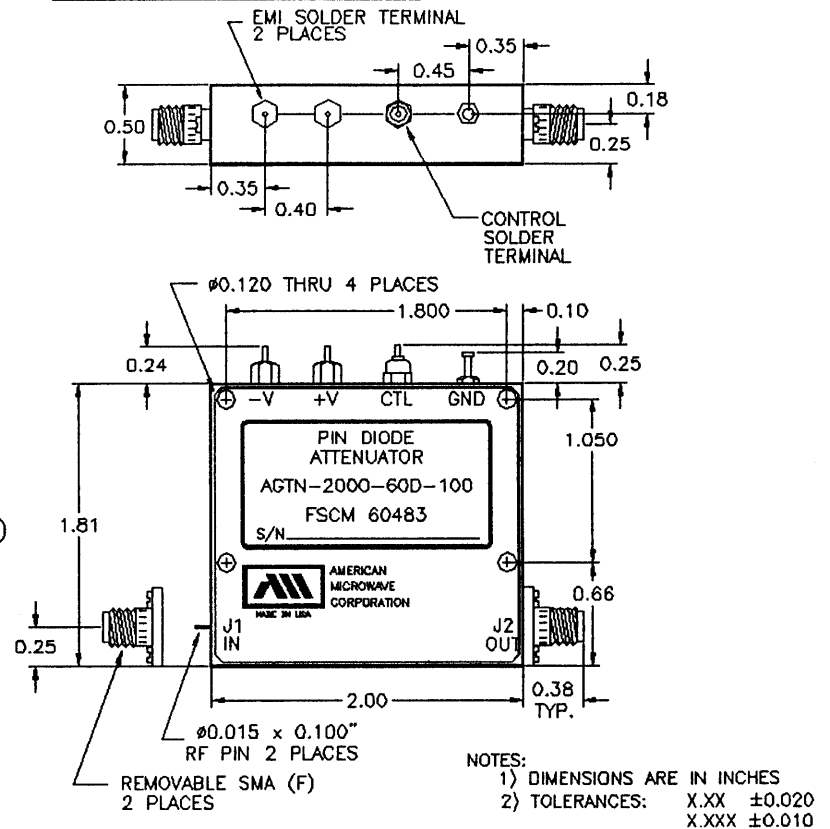
AVAILABLE OPTIONS

- 10M2 EXTENDED FREQUENCY RANGE OF 10 MHz TO 2 GHz
- 50M2 EXTENDED FREQUENCY RANGE OF 50 MHz TO 2 GHz
- 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 AGTN-2018-60D-100
(SLIM LINE). FOR DIGITAL CONTROLLED UNITS REFER
TO AGTN-2018-60DD-100 (SLIM LINE)
- A08 FOR DIGITAL CONTROLLED UNIT REFER TO
AGTN-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

REVISIONS				DATE	APPROVED
ZONE	REV.	DESCRIPTION			
		ORIGINAL RELEASE		6/11/98	

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



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APPROVALS	DATE
DRAWN WSP	5/11/98
CHECKED	

PRODUCT FEATURE		
AGTN-2000-60D-100		
100 MHz - 2 GHz, HIGH SPEED, VOLTAGE VARIABLE ATTENUATOR		
SIZE A	SHEET 1 OF 2	DWG. # 100-4229-2