

DESCRIPTION

AMC MODEL AGTN-2018-60D-100 IS A BROAD BAND VARIABLE ATTENUATOR/ MODULATOR, 10dB/VOLT ANALOG CONTROLLED

SPECIFICATIONS

- FREQUENCY RANGE 2.0-18.0 GHz MINIMUM
- INSERTION LOSS 4.5 dB MAXIMUM
- ATTENUATION FLATNESS (± dB MAXIMUM)

0-30 dB	±1.0 dB	MAXIMUM
30-40 dB	±2.0 dB	MAXIMUM
40-50 dB	±3.0 dB	MAXIMUM
50-60 dB	±5.5 dB	MAXIMUM
- ATTENUATION ACCURACY

0-10 dB	±2.0 dB	MAXIMUM
10-20 dB	±1.0 dB	MAXIMUM
20-40 dB	±1.5 dB	MAXIMUM
40-60 dB	±2.0 dB	MAXIMUM
- SWITCHING TIME <1 μsec (500 nsec TYPICAL)
- VSWR 2.2:1 MAXIMUM
- RF POWER RATINGS

OPERATING	+20 dBm CW MAXIMUM
	+10 dBm (0.3 GHz OR BELOW)
SURVIVAL	+30 dBm CW MAXIMUM
	+27 dBm (0.3 GHz OR BELOW)
- CONTROL 10dB/VOLT ANALOG CONTROLLED
- 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 BLIND MATE CONNECTORS
 - A04 5dB/VOLT SENSITIVITY
 - A05 ±15VDC POWER SUPPLY
 - A06 0 TO 30 dB RANGE

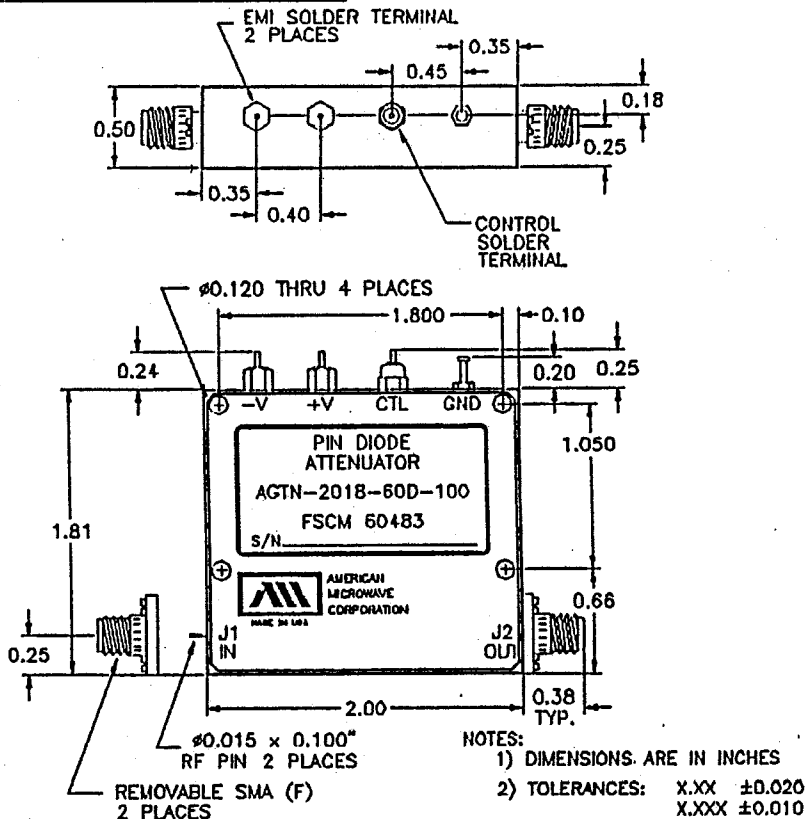
FLATNESS:	0 - 15dB: ±0.5dB	ACCURACY:	0 - 10dB: ±2.0dB
	15 - 20dB: ±1.0dB		10 - 20dB: ±1.0dB
	20 - 25dB: ±1.5dB		20 - 30dB: ±1.5dB
	25 - 30dB: ±2.0dB		
 - A07 EXTENDED FREQUENCY RANGE UNIT AND OPTIONS

200M18 OPTION	EXTENDED BANDWIDTH (200 MHz - 18 GHz)
300M18 OPTION	EXTENDED BANDWIDTH (300 MHz - 18 GHz)
10M18 OPTION	EXTENDED BANDWIDTH (10 MHz - 18 GHz), WITH SLOWER SPEED REFER TO AGT-2018-60D-100 (SLIM LINE). FOR DIGITAL CONTROLLED UNIT REFER TO AGT-2018-60DD-100 (SLIM LINE).
219 OPTION	EXTENDED BANDWIDTH (2 GHz - 19 GHz)
 - A08 FREQUENCY BAND OF 2 - 8 GHz
 - A09 FREQUENCY BAND OF 10 MHz - 2 GHz REFER TO DATA SHEET AGT-2000-60D-100 (SLIM LINE), FOR DIGITAL VERSION REFER TO DATA SHEET AGT-2000-60DD-100 (SLIM LINE)
 - A10 FOR HIGH SPEED ≤1 μsec DIGITAL CONTROLLED UNITS AND EXTENDED FREQUENCY RANGE REFER TO DATA SHEET AGTN-2018-60DD-100 (SLIM LINE).
 - A11 MOUNTING SURFACE UNPAINTED
 - SCS SPECIAL CUSTOMER SPECIFICATIONS
- NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	ORIGINAL RELEASE	09/05/97

APPROVED
AKG


MECHANICAL OUTLINE



- NOTES:
- 1) DIMENSIONS ARE IN INCHES
 - 2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010

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 <i>W.P.P.</i>	DATE 09/05/97	PRODUCT FEATURE AGTN-2018-60D-100 2-18 GHz, VOLTAGE VARIABLE ATTENUATOR	
CHECKED <i>P.M.W.</i>	DATE 10/9/97	SIZE A	SHEET 1 OF 2
		DWG. # 100-4227	