

DESCRIPTION

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

SPECIFICATIONS

- FREQUENCY RANGE:..... 2.0 TO 18.0 GHz
- INSERTION LOSS:..... 4.5 dB MAXIMUM
- ATTENUATION FLATNESS:.....
 - @ 10 dB ±1.0 dB MAXIMUM
 - @ 20 dB ±1.5 dB MAXIMUM
 - @ 40 dB ±3.0 dB MAXIMUM
 - @ 60 dB ±5.5 dB MAXIMUM
- ATTENUATION ACCURACY:.....
 - 0-30 dB ±1.0 dB MAXIMUM
 - >30-50 dB ±1.3 dB MAXIMUM
 - >50-60 dB ±1.5 dB MAXIMUM
- SWITCHING TIME:..... 1.5 Micro sec MAXIMUM
- RETURN LOSS:..... 2.2:1 MAXIMUM
- RF POWER RATINGS:
 - OPERATING:..... +20 dBm CW MAXIMUM
 - +10 dBm (0.3 GHz OR BELOW)
- POWER SUPPLY:..... +12VDC @ 250 mA MAXIMUM, 150 mA TYPICAL
- RF INPUT/OUTPUT:..... FIELD REPLACEABLE SMA (FEMALE)
- POWER AND CONTROLS:..... SOLDER PIN
- SIZE:..... 2.00" x 1.81" x 0.50"

AVAILABLE OPTIONS

(SEE PAGE 2 FOR COMPLETE LIST OF STANDARD OPTIONS)

ENVIRONMENTAL RATINGS

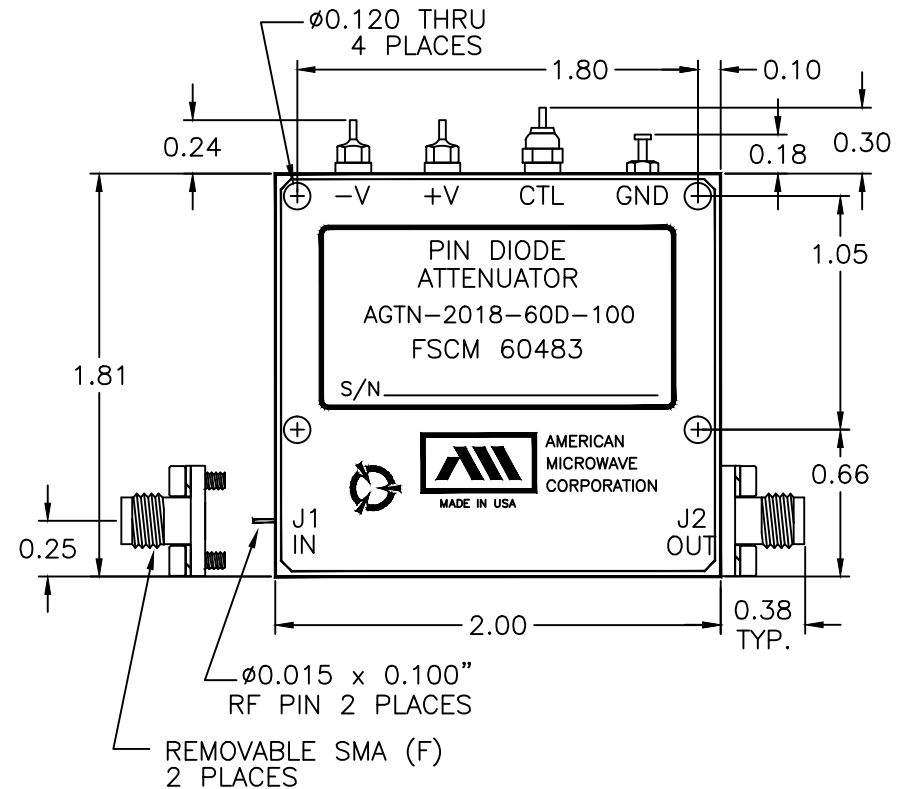
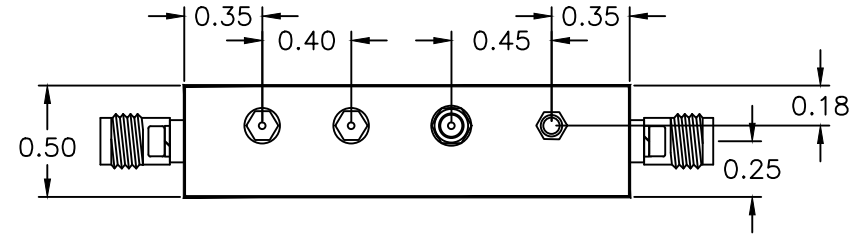
- **TEMPERATURE**..... -40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- **HUMIDITY**..... MIL-STD-202F, METHOD 103B COND. B
- **SHOCK**..... MIL-STD-202F, METHOD 213B COND. B
- **VIBRATION**..... MIL-STD-202F, METHOD 204D COND. B
- **ALTITUDE**..... MIL-STD-202F, METHOD 105C COND. B
- **TEMPERATURE 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.

ALL DIMENSIONS ARE IN INCHES
TOLERANCES: X.XX ±0.010
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	09/05/97	AKG
	B	ECN# 19-027	3/21/19	RRA

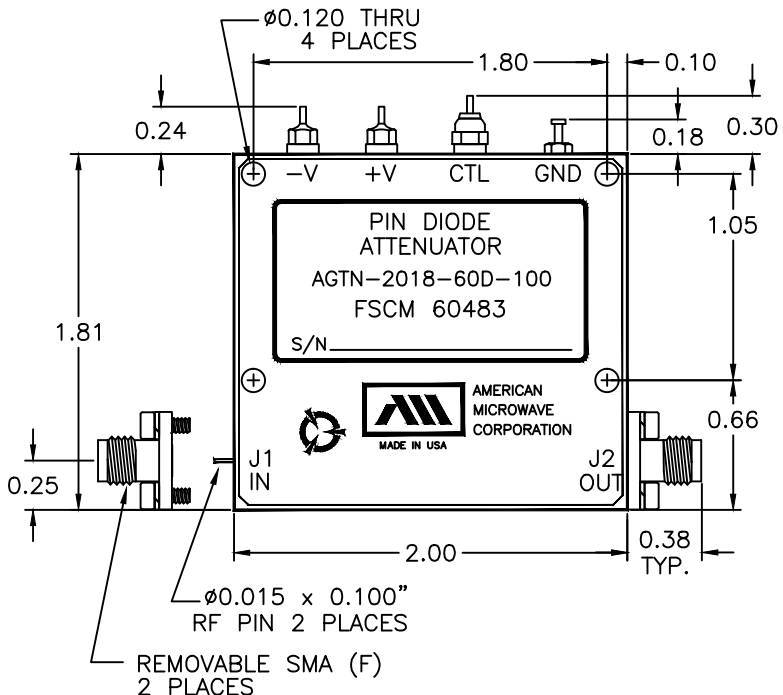
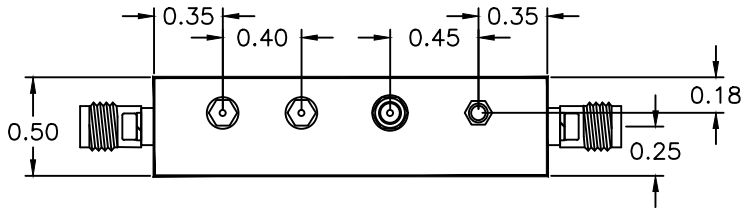


 AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		ISO 9001:2015 CERTIFIED			
		TITLE PRODUCT FEATURE AGTN-2018-60D-100 2-18 GHz, VOLTAGE VARIABLE ATTENUATOR			
APPROVALS	DATE	SIZE	FSCM NO.	DWG NO.	REV.
DRAWN RJW	3/19/19	A	60483	100-4227	B
ENG RRA	3/19/19	SCALE N:S			SHEET 1 OF 2
QAE RRA	3/19/19				

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AVAILABLE OPTIONS

- A01..... TWO SMA MALE RF CONNECTORS
- A02..... J1 SMA MALE, J2 SMA FEMALE
- A03..... BLIND MATE CONNECTORS
- A04..... 5 dB/VOLT SENSITIVITY
- A05..... +15VDC POWER SUPPLY
- A06..... 0 TO 30 dB RANGE
 - FLATNESS: 0-15 dB: ±0.5 dB ACCURACY: 0-10 dB: ±2.0 dB
 - 15-20 dB ±1.0 dB 10-20 dB ±1.0 dB
 - 20-25 dB ±1.5 dB 20-30 dB ±1.5 dB
 - 25-30 dB ±2.0 dB
- 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)
 - 219 OPTION..... EXTENDED BANDWIDTH (2 GHz - 19 GHz)
- A08..... FREQUENCY BAND OF 2 - 8 GHz
- A11..... MOUNTING SURFACE UNPAINTED
- SC5..... SPECIAL CUSTOMER SPECIFICATIONS



AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

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APPROVALS		PRODUCT FEATURE		
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QAE	RRA	A	60483	100-4227
		SCALE	N:S	SHEET 2 OF 2
				REV. B

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