

SPECIFICATIONS

- FREQUENCY RANGE: 0.3 TO 18.0 GHz
- ATTENUATION RANGE: 120dB
- INSERTION LOSS: 11.0 dB MAXIMUM (10.5 dB TYPICAL)
- ATTENUATION FLATNESS (± dB MAXIMUM):
 - 0-30 dB ± 1.0 dB MAXIMUM
 - 30-40 dB ± 1.5 dB MAXIMUM
 - 40-50 dB ± 2.5 dB MAXIMUM
 - 50-60 dB ± 4.0 dB MAXIMUM
 - 60-80 dB ± 7.5 dB MAXIMUM
 - 80-120 dB ± 13.0 dB MAXIMUM
- ATTENUATION ACCURACY:
 - 0-20 dB ± 2.5 dB MAXIMUM
 - 20-30 dB ± 1.5 dB MAXIMUM
 - 30-50 dB ± 1.5 dB MAXIMUM
 - 50-80 dB ± 2.0 dB MAXIMUM
 - 80-120 dB ± 2.5 dB MAXIMUM
- SWITCHING TIME: 1 Milli Sec MAXIMUM
- VSWR: 2.2:1 MAXIMUM
- RF POWER RATINGS:
 - OPERATING: +20 dBm CW MAXIMUM
 - SURVIVAL: +30 dBm CW MAXIMUM
- CONTROL: 9 BIT TRUE BINARY LOGIC
- POWER SUPPLY: +12 VDC @ 375 mA MAXIMUM
 -12 VDC @ 50 mA MAXIMUM
- CONNECTORS:
 - RF INPUT/OUTPUT: SMA FEMALE
 - POWER AND CONTROLS: 15 PIN MICRO-D SUBMINIATURE (MALE) MATING CONNECTOR FURNISHED
- SIZE: 3.00" x 2.50" x 0.50"

OPTIONS:

- A07: EXTENDED FREQUENCY RANGE UNITS AND OPTIONS
- 300M18 EXTENDED BANDWIDTH (0.3GHz TO 18 GHz)

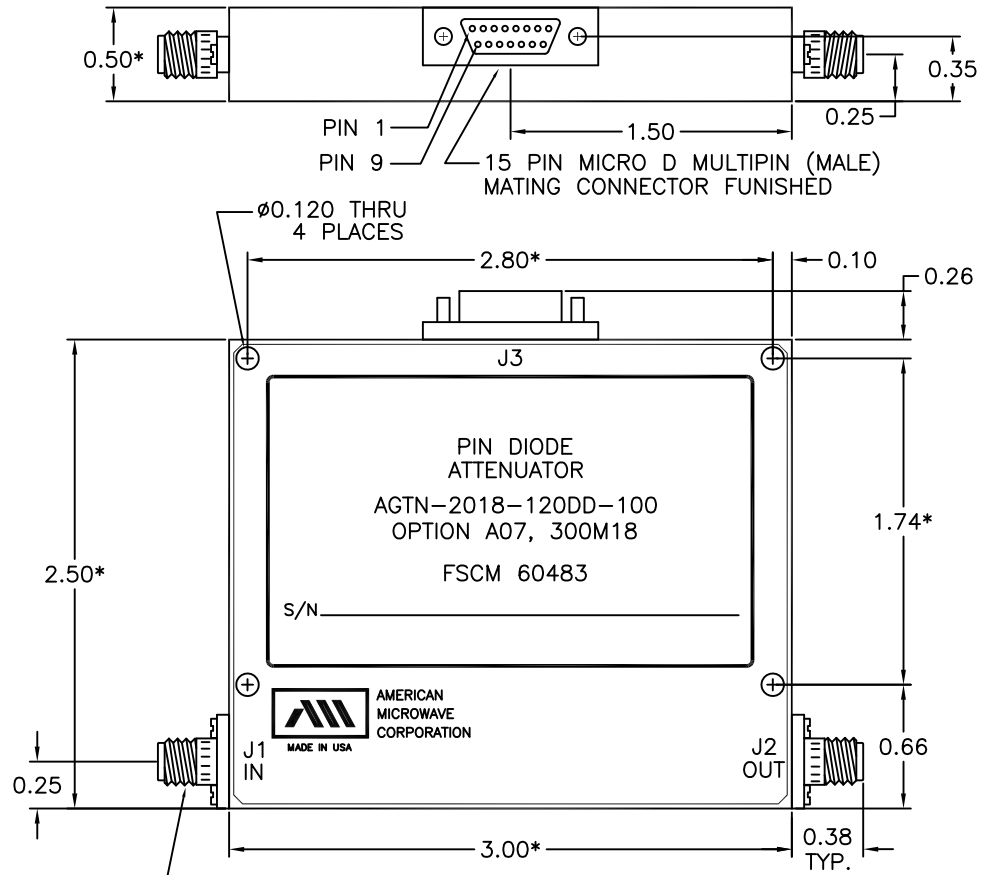
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°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.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	SEE ER# 022-13	4/30/19	Rd



FIELD REPLACEABLE SMA, FEMALE, 2 PLS

STANDARD PIN NUMBERING	
PIN	FUNCTION
1	GND
2	Latch
3	0.25 dB (LSB)
4	GND
5	0.5 dB
6	1 dB
7	2 dB
8	4 dB
9	8 dB
10	16 dB
11	32 dB
12	64 dB (MSB)
13	+12VDC
14	-12VDC
15	Not Used

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.02

DIMENSIONAL INSPECTION SHALL BE DONE AT ONLY LENGTH WITH *(ASTERISKS)

AMERICAN MICROWAVE CORPORATION

7309-A GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: 301-662-4700 FAX: 301-662-4938
 WEBSITE: www.americanmic.com
 E-MAIL: sales@americanmic.com
 ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		REV.
DRAWN <i>K JPM</i>		4/30/19	PRODUCT FEATURE		
ENG <i>Rd</i>		4/30/19	AGTN-2018-120DD-100		
QAE <i>K JPM</i>		4/30/19	OPTION A07, 300M18		A
	SIZE	FSCM NO.	DWG NO.		
	A	60483	100-8427		
SCALE N:S			SHEET		1 OF 1