

DESCRIPTION

AMC MODEL AGH-6012DD VARIABLE ATTENUATOR/MODULATOR WITH 8 BIT BINARY TTL CONTROL.

SPECIFICATIONS

- **FREQUENCY RANGE:** 6.0 TO 12.0 GHz
- **INSERTION LOSS:** 2.7 dB MAXIMUM
- **ATTENUATION FLATNESS:**
 - @ 10 dB = ± 0.7 dB
 - @ 20 dB = ± 1.0 dB
 - @ 40 dB = ± 1.5 dB
 - @ 60 dB = ± 1.6 dB
- **ATTENUATION ACCURACY:**
 - 0-30 dB = ± 0.5 dB
 - >30-50 dB = ± 1.0 dB
 - >50-60 dB = ± 1.5 dB
- **MONOTONICITY:** GUARANTEED
- **TEMPERATURE VARIATION:**
 - ± 2.5dB -10 to 85 deg C Typ
 - ± 3.5dB -40 to 95 deg C Typ
- **SWITCHING SPEED** 1 MICRO SECOND
- **VSWR** 1.8:1
- **POWER RATING:** +20 dBm
- **DIGITAL CONTROL:** 8 BIT POSITIVE TRUE BINARY
- **POWER SUPPLY:** ±12V ±5% @ 100 mA MAXIMUM
- **CONNECTORS**
- **RF INPUT/OUTPUT:** SMA (FEMALE)
- **POWER AND CONTROLS:** 15 PIN ITT CANNON DA-15P FEMALE MATING CONNECTOR (MALE) FURNISHED

OPTIONS:

- 001 TWO MALE RF CONNECTORS
- 002 ONE SMA MALE WITH ONE SMA FEMALE RF CONNECTOR
- 004 0 - 30 dB RANGE
- 005 ±15 VOLT POWER SUPPLY

ENVIRONMENTAL RATINGS

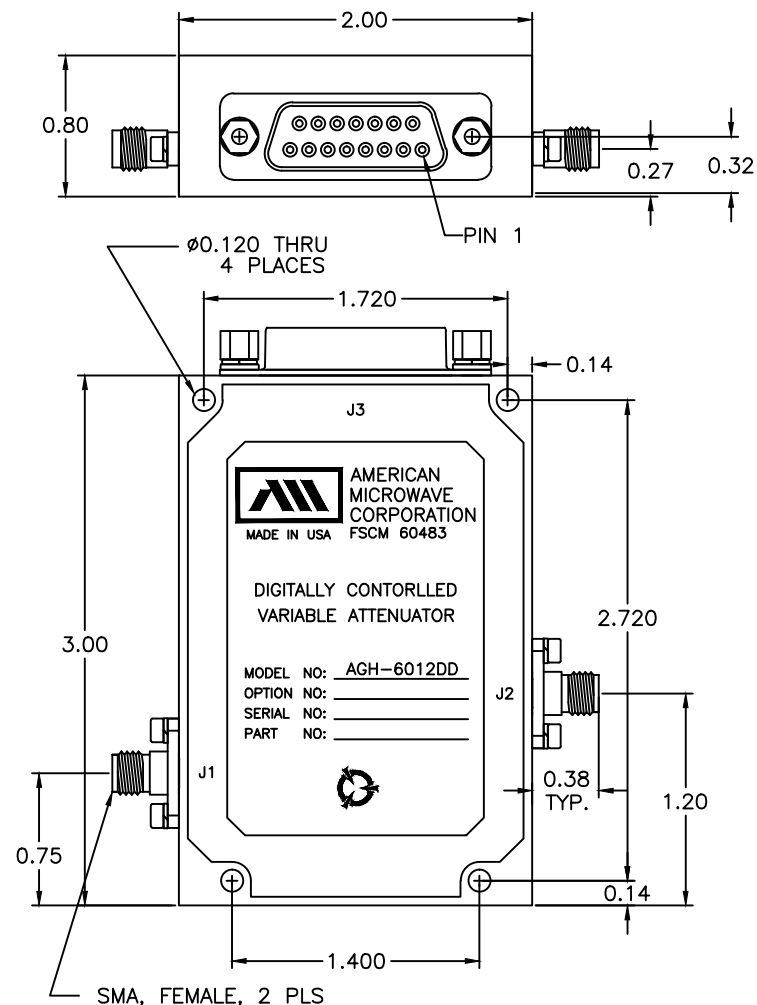
- **TEMPERATURE** -40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- **HUMIDITY** MIL-STD-202F, METHOD 103B COND. B
- **SHOCK** MIL-STD-202F, METHOD 213B COND. B
- **VIBRATION** MIL-STD-202F, METHOD 204D COND. B
- **ALTITUDE** MIL-STD-202F, METHOD 105C COND. B
- **TEMPERATURE CYCLE** MIL-STD-202F,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

J3 PIN NUMBERING	
PIN	FUNCTION
1	GND
2	ANALOG INPUT
3	NOT USED
4	GND
5	0.25 dB
6	0.5 dB
7	1 dB
8	2 dB
9	4 dB
10	8 dB
11	16 dB
12	32 dB
13	+12VDC
14	-12VDC
15	Not Used

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	SEE ER# 041-20	10/7/20	RRA



AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

ISO 9001:2015 CERTIFIED		TITLE PRODUCT FEATURE AGH-6012DD (STANDARD) 6.0-12.0 GHz, VARIABLE ATTENUATOR			
APPROVALS	DATE	SIZE A	FSCM NO. 60483	DWG NO. 100-9160	REV. A
DRAWN R JW	8/26/20				
ENG. RRA	8/26/20	SCALE N:S			SHEET 1 OF 1
QAE RRA	8/26/20				