

DESCRIPTION

AMC MODEL AGH-4080-60D-120 IS A OVER-OCTAVE BAND VOLTAGE CONTROLLED ATTENUATOR/MODULATOR, WITH 120 dB DYNAMIC RANGE.

SPECIFICATIONS

- FREQUENCY RANGE 4.0-8.0 GHz
- INSERTION LOSS 4.0-8.0 GHz 5.0 dB MAXIMUM
3.0-9.0 GHz 5.5 dB MAXIMUM

ATTENUATION FLATNESS (\pm dB MAXIMUM)

FREQUENCY RANGE	10 dB	20 dB	40 dB	60 dB	80 dB	120 dB
4.0-8.0 GHz	0.5	0.8	1.5	1.6	2.5	3.2
3.0-9.0 GHz	0.7	1.5	3.0	3.5	5.0	7.0

- ATTENUATION ACCURACY 0-30 dB \pm 0.5 dB MAXIMUM
(MONOTICITY IS GUARANTEED) 30-50 dB \pm 1.0 dB MAXIMUM
50-60 dB \pm 1.5 dB MAXIMUM
60-80 dB \pm 2.0 dB MAXIMUM
80-120 dB \pm 2.5 dB MAXIMUM
- TEMPERATURE COEFFICIENT \pm 0.025 dB/ $^{\circ}$ C MAXIMUM
- SWITCHING TIME 3 μ S MAXIMUM
- VSWR @ 0 dB ATTENUATION 4.0-8.0 GHz 2.0:1 MAXIMUM
3.0-9.0 GHz 2.2:1 MAXIMUM
- RF POWER RATINGS
OPERATING POWER +20 dBm CW MAXIMUM
SURVIVAL POWER +30 dBm CW MAXIMUM
- CONTROL 20 dB/VOLT
(OTHER CONTROL VOLTAGES AVAILABLE)
- POWER SUPPLY +12VDC @ 250 mA MAXIMUM
-12VDC @ 100 mA MAXIMUM
- CONNECTORS
RF INPUT/OUTPUT SMA FEMALE
POWER AND CONTROLS SOLDER PIN
- SIZE 3.29" x 1.85" x 0.60"
4.68" x 3.45" x 0.80" (OPTION A04)

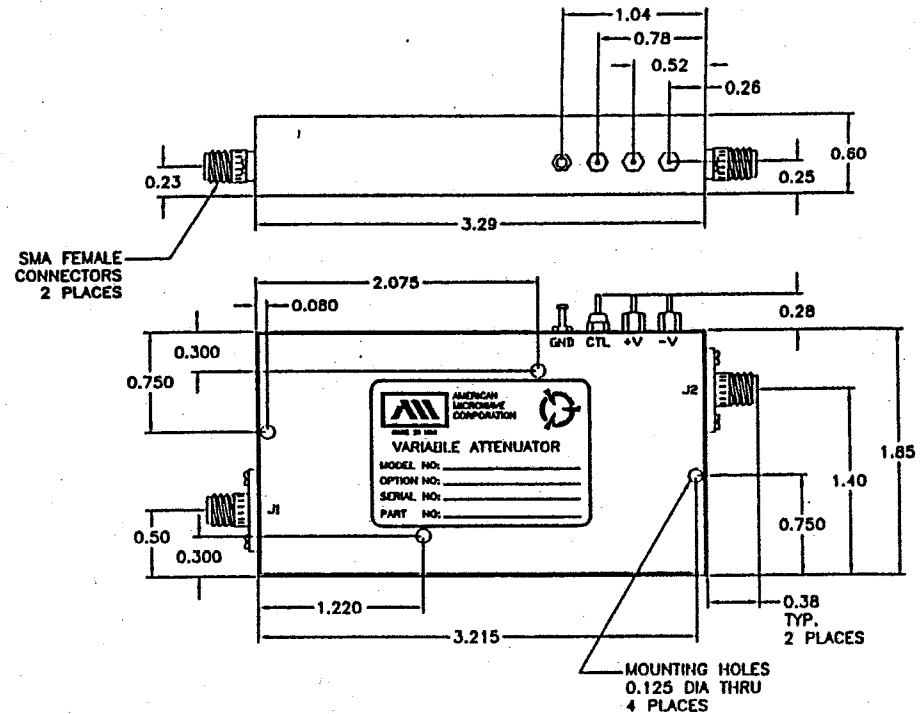
AVAILABLE OPTIONS

- A01 TWO SMA MALE RF CONNECTORS
- A02 J1 SMA MALE, J2 SMA FEMALE
- A03 MOUNTING SURFACE UNPAINTED
- A04 MULTIPIN ANALOG CONTROLLED UNIT (SEE SHEET 2 OF 2)
FOR DIGITALLY CONTROLLED UNITS REFER TO DATA SHEET AGH-4080-60DD-120.
- A05 \pm 15VDC POWER SUPPLY
- A06 0-90 dB DYNAMIC RANGE
- A07 EXTENDED BANDWIDTH (3.0-9.0 GHz)
- A08 LATCHING STROBE
- A09 HIGH SPEED 500 nS MAXIMUM
- SCS SPECIAL CUSTOMER SPECIFICATIONS

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/18/97	


MECHANICAL OUTLINE



- NOTES:
- DIMENSIONS ARE IN INCHES
 - TOLERANCES: X.XX \pm 0.020
X.XXX \pm 0.010
APPROX. 7.0 OZ
 - WEIGHT:

ENVIRONMENTAL RATINGS

- TEMPERATURE -55 $^{\circ}$ C TO +85 $^{\circ}$ C (OPERATING)
-65 $^{\circ}$ C TO +125 $^{\circ}$ 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

		AMERICAN MICROWAVE CORPORATION 7311G GROVE RD., FREDERICK, MD. 21701 TEL: (301) 662-4700 FAX: (301) 662-4938	
		PRELIMINARY PRODUCT FEATURE AGH-4080-60D-120 4.0-8.0 GHz, VOLTAGE VARIABLE ATTENUATOR	
APPROVALS	DATE	SIZE	SHEET 1 OF 2
DRAWN: <i>R.P.G.</i> CHECKED: <i>W.P.</i>	12/18/97	A	DWG. # 100-4288

W.P.
RA

8-54