

DESCRIPTION

AMC MODEL AGH-0510-60D IS AN OCTAVE BAND VOLTAGE CONTROLLED VARIABLE ATTENUATOR MODULE WITH BUILT IN DRIVER/LINEARIZER CIRCUITRY, DESIGNED FOR HIGH DYNAMIC RANGE AND HIGH ACCURACY APPLICATIONS.

SPECIFICATIONS

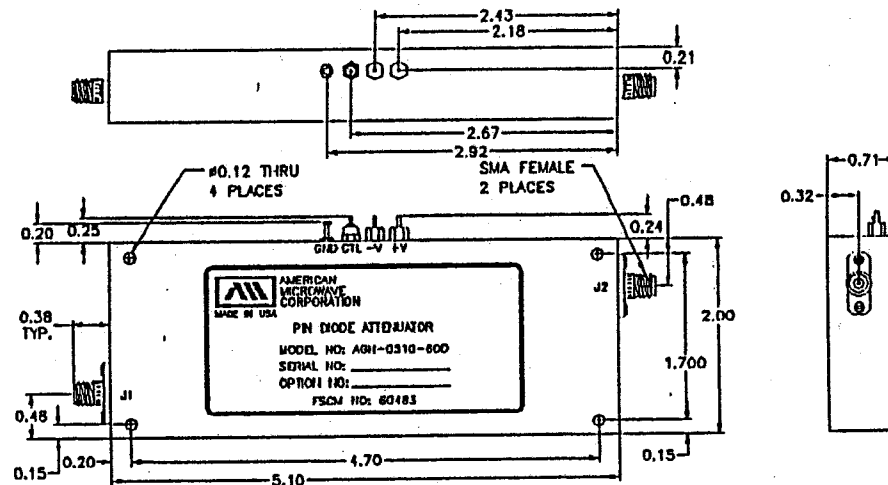
- FREQUENCY RANGE 0.5-1.0 GHz MINIMUM
- INSERTION LOSS 4.0 dB MAXIMUM
- ATTENUATION FLATNESS 0-40 dB \pm 2.0 dB MAXIMUM
40-60 dB \pm 2.5 dB MAXIMUM
- ATTENUATION DYNAMIC RANGE 70 dBc MINIMUM
- ATTENUATION ACCURACY 0-40 dB \pm 1.5 dB MAXIMUM
(DEVIATION FROM NOMINAL ATTENUATION) 40-60 dB \pm 2.0 dB MAXIMUM
- MONOTONICITY GUARANTEED
- TEMPERATURE COEFFICIENT \pm 0.025 dB/ $^{\circ}$ C MAXIMUM
- SWITCHING TIME 1.5 μ S MAXIMUM
- VSWR (ALL ATTENUATION LEVELS) 1.7:1 MAXIMUM
- POWER RATINGS +20 dBm MAXIMUM
- CONTROL VOLTAGE CONTROLLED (0-6VOLTS)
10 dB/VOLT TRANSFER FUNCTION SLOPE
- POWER SUPPLY +12VDC \pm 5% @ 100 mA MAXIMUM
-12VDC \pm 5% @ 20 mA MAXIMUM
- CONNECTORS
RF INPUT/OUTPUT SMA FEMALE
POWER SOLDER PIN
CONTROL SOLDER PIN
- SIZE 5.10" x 2.0" x 0.71"

AVAILABLE OPTIONS

- A01 J1 SMA MALE, J2 SMA FEMALE
- A02 TWO SMA MALE CONNECTORS
- A03 \pm 15VDC SUPPLIES
- A04 SMC MALE CONTROL CONNECTOR
- A05 SMA FEMALE CONTROL CONNECTOR
- A06 5 dB/VOLT TRANSFER FUNCTION SLOPE
(CONSULT FACTORY FOR OTHER AVAILABLE TRANSFER FUNCTION SLOPES)

REVISED		DESCRIPTION	DATE	APPROVED
ZONE	REV.			
A		ORIGINAL RELEASE, JOB # 10479	01/29/93	

MECHANICAL OUTLINE




NOTES:

- 1) DIMENSIONS ARE IN INCHES
- 2) TOLERANCES: X.XX \pm 0.020
X.XXX \pm 0.010
- 3) WEIGHT: APPROX. 4.0 OZ

ENVIRONMENTAL RATINGS

- TEMPERATURE -55 $^{\circ}$ C TO +125 $^{\circ}$ 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		
		PRODUCT FEATURE AGH-0510-60D 0.5-1.0 GHz, VOLTAGE CONTROLLED VARIABLE ATTENUATOR MODULE		
APPROVALS DRAWN: <i>WSP</i> CHECKED: <i>E. M. H.</i>	DATE 01/29/93 10/14/97	SIZE A	SHEET 1 OF 2	DWG. # 100-2934