

DESCRIPTION

AMC MODEL AGH-2856-70D IS A VOLTAGE CONTROLLED VARIABLE ATTENUATOR MODULE WITH BUILT IN LINEARIZER/DRIVER CIRCUITRY DESIGNED FOR HIGH DYNAMIC RANGE AND HIGH ACCURACY APPLICATIONS.

SPECIFICATIONS

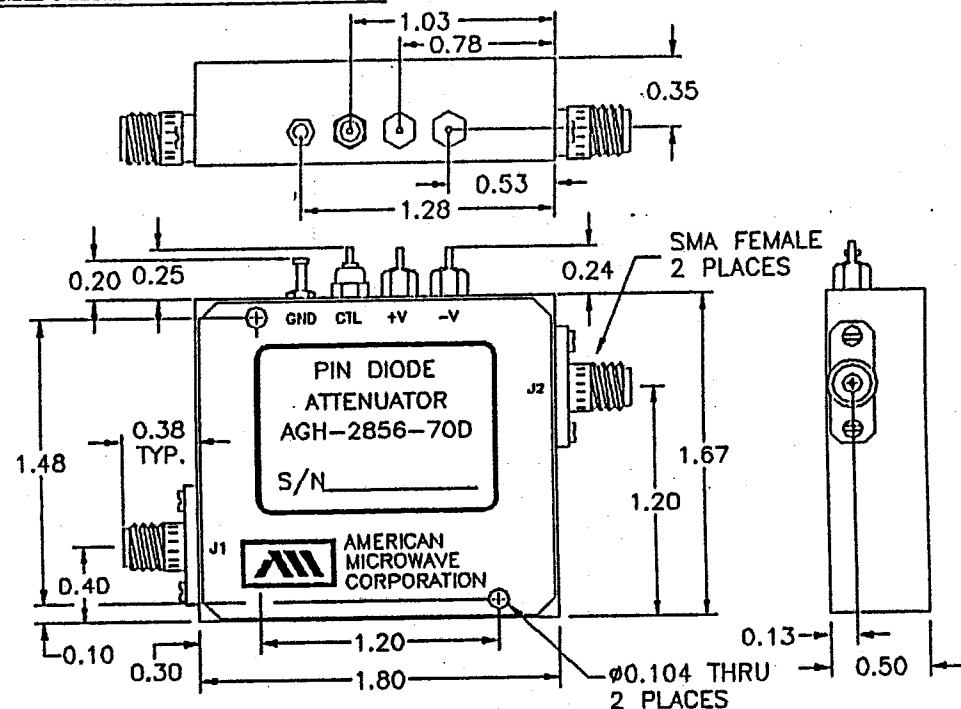
- FREQUENCY RANGE 4.2-4.4 GHz MINIMUM
(CONSULT FACTORY FOR OTHER FREQUENCY RANGES)
- INSERTION LOSS 2.0 dB MAXIMUM
- ATTENUATION FLATNESS 0-30 dB ±0.3 dB MAXIMUM
30-50 dB ±0.4 dB MAXIMUM
50-70 dB ±0.5 dB MAXIMUM
- ATTENUATION DYNAMIC RANGE 70 dBc MINIMUM
- ATTENUATION ACCURACY 0-30 dB ±0.5 dB MAXIMUM
(DEVIATION FROM NOMINAL ATTENUATION) 30-50 dB ±1.0 dB MAXIMUM
50-70 dB ±1.5 dB MAXIMUM
- MONOTONICITY GUARANTEED
- TEMPERATURE COEFFICIENT ±0.025 dB/°C MAXIMUM
- SWITCHING TIME 1.5 μS MAXIMUM
- VSWR (ALL ATTENUATION LEVELS) 2 : 1 MAXIMUM
- POWER RATINGS +20 dBm MAXIMUM
- CONTROL VOLTAGE CONTROLLED (0-4V)
17.5 dB/VOLT TRANSFER FUNCTION SLOPE
- POWER SUPPLY +12VDC ±5% @ 100 mA MAXIMUM
-12VDC ±5% @ 20 mA MAXIMUM
- CONNECTORS
RF INPUT/OUTPUT SMA FEMALE
POWER SOLDER PIN
CONTROL SOLDER PIN
- SIZE 1.8" x 1.67" x 0.50"

AVAILABLE OPTIONS

- A01 J1 SMA MALE, J2 SMA FEMALE
- A02 TWO SMA MALE CONNECTORS
- A03 ±15VDC SUPPLIES
- A04 SMC MALE CONTROL CONNECTOR
- A05 SMA FEMALE CONTROL CONNECTOR
- A06 10 dB/VOLT TRANSFER FUNCTION SLOPE
(OTHER TRANSFER FUNCTION SLOPES AVAILABLE)

REV. NO.		DESCRIPTION	DATE	APPROVED
A	1	ORIGINAL RELEASE, JOB # 10346	01/22/93	


MECHANICAL OUTLINE



- NOTES:
- 1) DIMENSIONS ARE IN INCHES
 - 2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010
 - 3) WEIGHT: APPROX. 2.0 OZ

ENVIRONMENTAL RATINGS

- TEMPERATURE -55°C TO +125°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

		AMERICAN MICROWAVE CORPORATION 7311G GROVE RD., FREDERICK, MD. 21701 TEL: (301) 662-4700 FAX: (301) 662-4938		
		PRODUCT FEATURE AGH-2856-70D 4.2-4.4 GHz, VOLTAGE CONTROLLED VARIABLE ATTENUATOR MODULE		
APPROVALS DRAWN: <i>WSP</i> CHECKED: <i>WSP</i>	DATE 01/22/93 10/14/91	SIZE A	SHEET 1 OF 2	DWG. # 100-2933