

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
		A ORIGINAL RELEASE, JOB # 210262E	6/10/93	

DESCRIPTION

AMC MODEL AGH-4080-N IS A CURRENT CONTROLLED, ABSORPTIVE/NON-REFLECTIVE VARIABLE ATTENUATOR MODULATOR.

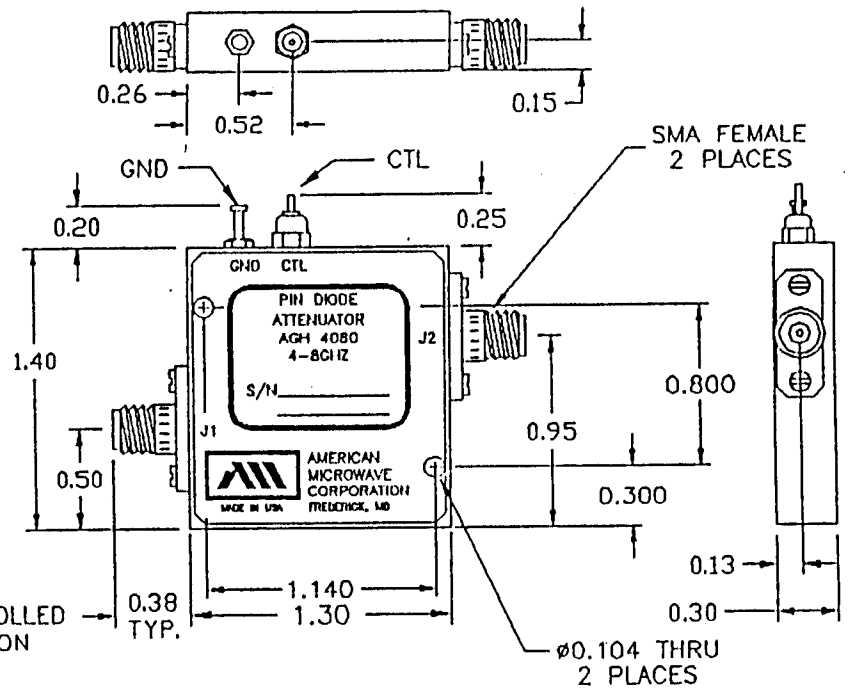
SPECIFICATIONS

- FREQUENCY RANGE 4-8 GHz MINIMUM
- INSERTION LOSS 2.4 dB MAXIMUM
- ATTENUATION FLATNESS 0-10 dB ±0.5 dB MAXIMUM
 10-20 dB ±1.0 dB MAXIMUM
 20-40 dB ±1.5 dB MAXIMUM
 40-60 dB ±1.6 dB MAXIMUM
- MONOTONICITY GUARANTEED
- TEMPERATURE COEFFICIENT ±0.025 dB/°C MAXIMUM
- SWITCHING TIME
 RISE TIME (90% TO 10% RF) 1.5 μs MAXIMUM
 FALL TIME (10% TO 90% RF) 50 ns MAXIMUM
- VSWR (ALL ATTENUATION LEVELS) 2.0:1 MAXIMUM
- POWER HANDLING +20 dBm MAXIMUM CW OR PEAK
- CONTROL NEGATIVE BIAS VOLTAGE, CURRENT CONTROLLED
 50 mA MAXIMUM FOR MINIMUM ATTENUATION
- CONNECTORS
 RF INPUT/OUTPUT SMA FEMALE
 CONTROL SOLDER PIN
- SIZE 1.3" x 1.4" x 0.50"

AVAILABLE OPTIONS

- A01 ONE SMA MALE, ONE SMA FEMALE RF CONNECTOR
- A02 TWO SMA MALE CONNECTORS RF CONNECTORS
- A03 SMA FEMALE CONTROL CONNECTOR
- A04 REMOVABLE SMA FEMALE RF CONNECTOR
- A05 3.0-9.0 GHz WITH INSERTION LOSS OF 2.5 dB,
 VSWR OF 2.2:1 AND FREQUENCY FLATNESS OF
 ±0.5 dB @ 10 dB, ±1.4 dB @ 20 dB, ±3.0 dB
 @ 40 dB, AND ±3.5 dB @ 60 dB.


MECHANICAL OUTLINE



- NOTES:
1. DIMENSIONS ARE IN INCHES
 2. TOLERANCES: X.XX ±0.020
 X.XXX ±0.010
 3. WEIGHT: APPROX. 1.0 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

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APPROVALS	DATE	PRODUCT FEATURE	
DNW: <i>WSP</i>	6/10/93	AGH-4080-N	
CHKD: <i>L. M. ...</i>	10/14/97	4-8 GHz, CURRENT CONTROLLED NON-REFLECTIVE VARIABLE ATTENUATOR MODULATOR	
		SIZE A	SHEET 1 OF 2
			DWG. # 100-3171

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