

DESCRIPTION

AMC MODEL AGH-2040-65DD IS AN OCTAVE BAND ATTENUATOR/MODULATOR, PROGRAMMABLE BY 8 BIT POSITIVE TRUE BINARY LOGIC WITH REAL DATA LATCHING FUNCTION CAPABILITY.

SPECIFICATIONS

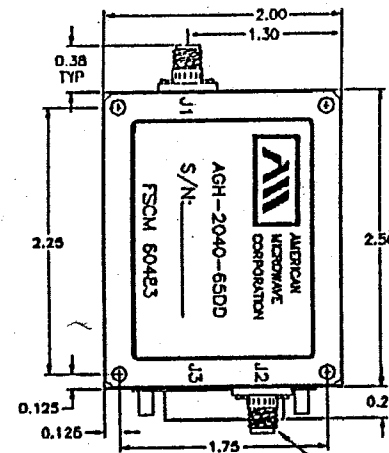
- FREQUENCY RANGE 2-4 GHz MINIMUM
- INSERTION LOSS 2.5 dB MAXIMUM
- ATTENUATION FLATNESS 0-10 dB \pm 0.3 dB MAXIMUM
 10-20 dB \pm 0.8 dB MAXIMUM
 20-40 dB \pm 1.5 dB MAXIMUM
 40-63.75 dB \pm 1.6 dB MAXIMUM
- ATTENUATION ACCURACY 0-30 dB \pm 0.5 dB MAXIMUM
 (MONOTICITY IS GUARANTEED) 30-50 dB \pm 1.0 dB MAXIMUM
 50-63.75 dB \pm 1.5 dB MAXIMUM
- SWITCHING TIME 2 μ S MAXIMUM
- TEMPERATURE COEFFICIENT \pm 0.025 dB/ $^{\circ}$ C MAXIMUM
- VSWR (ALL ATTENUATION LEVELS) 1.8:1 MAXIMUM
- RF POWER RATINGS +30 dBm CW MAXIMUM
- CONTROL 8 BIT POSITIVE TRUE TTL BINARY LOGIC, 300ns DATA TRANSFER STROBE TIME (ACTIVE LOW), 0.25dB MINIMUM ATTENUATION STEPS (SEE PIN FUNCTION TABLE)
- POWER SUPPLY +15VDC \pm 5%@100 mA MAXIMUM
 -15VDC \pm 5%@100 mA MAXIMUM
- CONNECTORS
 RF INPUT/OUTPUT SMA FEMALE
 POWER AND CONTROLS 15 PIN D-SUBMINIATURE (MALE)
 WITH JACK POST (MATING CONNECTOR FURNISHED)
- SIZE 2.00" x 2.50" x 1.00"

AVAILABLE OPTIONS

- A01 J1 SMA MALE, J2 SMA FEMALE
- A02 TWO SMA MALE RF CONNECTORS

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE, JOB # 20371E	04/23/93	

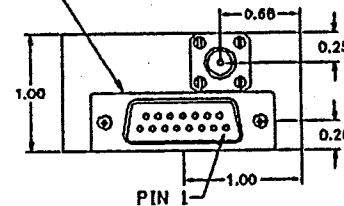
MECHANICAL OUTLINE



J3 PIN FUNCTION	
PIN#	FUNCTION
1	GND
2	ANALOG INPUT
3	CE
4	GND
5	0.25 dB (LSB)
6	0.5 dB
7	1.0 dB
8	2.0 dB ANA
9	4.0 dB IN
10	8.0 dB
11	16.0 dB
12	32.0 dB (MSB)
13	+15VDC
14	-15VDC
15	GND

15 PIN D-SUBMINIATURE PLUG PER MIL-C-24308 INCLUDES JACK POST

SMA FEMALE 2 PLACES



- NOTES:
- 1) DIMENSIONS ARE IN INCHES
 - 2) TOLERANCES: X.XX \pm 0.020
X.XXX \pm 0.010
 - 3) WEIGHT: APPROX. 8.0 OZ

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	
		PRODUCT FEATURE AGH-2040-65DD 2-4 GHz PROGRAMMABLE ATTENUATOR	
APPROVALS	DATE	SIZE	SHEET 1 OF 2
DRAWN WJP	04/23/93	A	DWG. # 100-311B
CHECKED L. H. De	04/14/93		