

DESCRIPTION

AMC MODEL AGH-4080-65DD IS AN OCTAVE BAND ATTENUATOR/MODULATOR, PROGRAMMABLE BY 8 BIT POSITIVE TRUE BINARY LOGIC WITH READ DATA LATCHING FUNCTION CAPABILITY.

SPECIFICATIONS

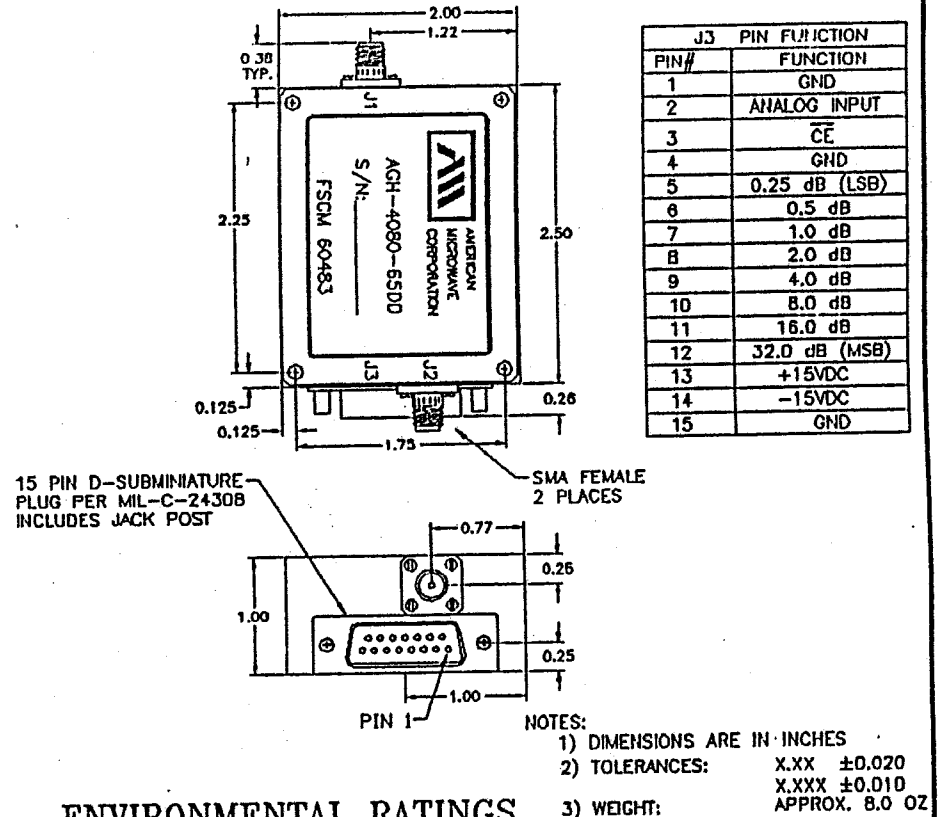
- FREQUENCY RANGE 4-8 GHz MINIMUM
- INSERTION LOSS 3.0 dB MAXIMUM
- ATTENUATION FLATNESS 0-10 dB ± 0.3 dB MAXIMUM
10-20 dB ± 0.8 dB MAXIMUM
20-40 dB ± 1.5 dB MAXIMUM
40-63.75 dB ± 1.6 dB MAXIMUM
- ATTENUATION ACCURACY 0-30 dB ± 0.5 dB MAXIMUM
(MONOTICITY IS GUARANTEED) 30-50 dB ± 1.0 dB MAXIMUM
50-63.75 dB ± 1.5 dB MAXIMUM
- SWITCHING TIME 2 μ S MAXIMUM
- TEMPERATURE COEFFICIENT ± 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		DATE	APPROVED
ZONE	REV.	DESCRIPTION	
	A	ORIGINAL RELEASE, JOB # 20372E	04/23/99

MECHANICAL OUTLINE



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-4080-65DD 4-8 GHz PROGRAMMABLE ATTENUATOR	
APPROVALS	DATE	SIZE A SHEET 1 OF 2 DWG. # 100-3119	
DRAWN WSP	04/23/99		
CHECKED D. M. L.	10/14/99		