

DESCRIPTION:

AMC MODEL AGH-2040-60DD-SF-3482 IS A 2 TO 4 GHz, 8 BIT DIGITAL ATTENUATOR THAT IS HERMETICALLY SEALED IN A MINIATURE PACKAGE.

SPECIFICATIONS:

- FREQUENCY RANGE: 2.0 - 4.0 GHz
- INSERTION LOSS: 1.8 dB MAXIMUM
- VSWR: 1.5:1
- ATTENUATION FLATNESS: 10 dB 0.5
 20 dB 1.0
 40 dB 1.5
 60 dB 1.6
- ATTENUATION ACCURACY: 0-30 dB ± 0.5 dB
 30-50 dB ± 1.0 dB
 50-60 dB ± 1.5 dB
- TEMPERATURE COEFFICIENT: ±0.02 dB/°C
- MONOTONICITY: GUARANTEED
- SWITCHING TIME: 500 nS MAXIMUM
- RF POWER RATINGS: +20 dBm CW OR PEAK
- CONTROL: 8 BIT TRUE BINARY LOGIC, 0.25 dB MINIMUM ATTENUATION STEP
- POWER SUPPLY: +12V TO +15 VDC @ 120 mA MAXIMUM
 -12V TO -15 VDC @ 50 mA MAXIMUM
- CONNECTORS:
 RF INPUT/OUTPUT: FIELD REPLACEABLE SMA (FEMALE)
 POWER & CONTROLS: MINIATURE 14 PIN MALE (MIL-C-28748) MATING CONNECTOR (FEMALE) FURNISHED
- ANALOG INPUT CHARACTERISTICS:
 RANGE: 0 TO 6V
 TRANSFER FUNCTION: 10 dB/V
- SIZE: 1.34" x 1.34" x 0.50"

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +110°C (OPERATING)
 -65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B CONDITON B
- SHOCK: MIL-STD-202F, METHOD 213B CONDITON B
- VIBRATION: MIL-STD-202F, METHOD 204D CONDITON B
- ALTITUDE: MIL-STD-202F, METHOD 105C CONDITON B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D CONDITON A

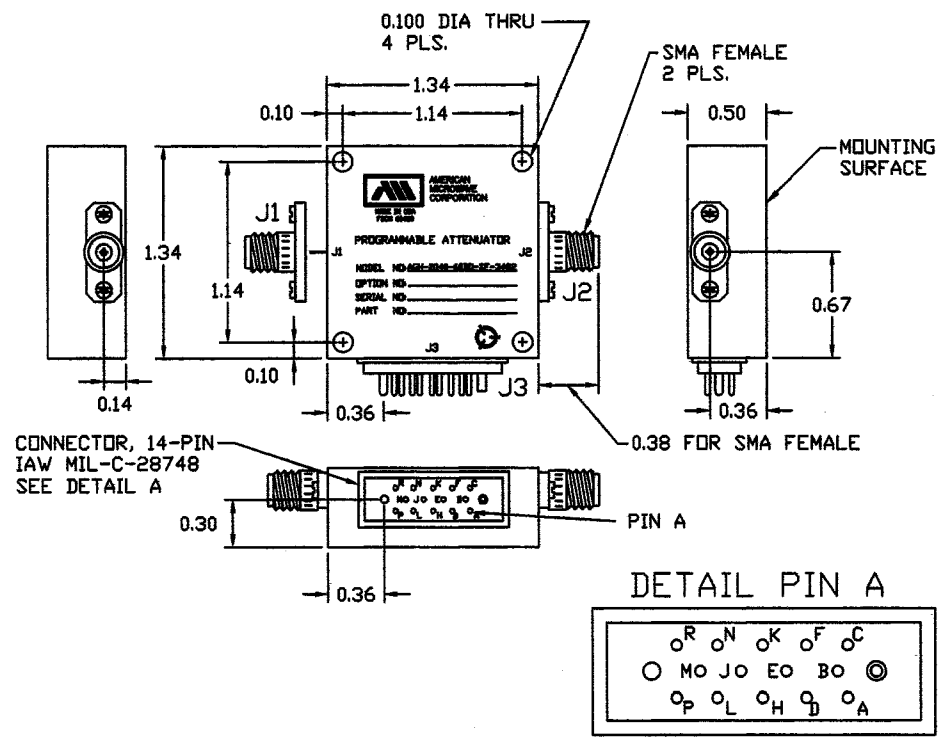
J3 POWER/LOGIC CONNECTIONS	
PIN	FUNCTIONS
A	DIGITAL/POWER (GND)
B	GND
C	-12V TO -15V
D	0.25 dB (LSB)
E	0.5 dB
F	1 dB
H	4 dB
J	2 dB
K	16 dB
L	32 dB
M	+12V TO +15V
N	8 dB
P	GND
R	ANALOG INPUT

NOTES:
 1. ALL UNUSED LOGIC INPUTS MUST BE GROUNDED.

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB #209152E-1	12/17/02	

MECHANICAL OUTLINE:



ALL DIMENSIONS ARE IN INCHES [MM]
 TOLERANCES:
 X.XX ±0.020
 X.XXX ±0.010

CONFIDENTIAL AND PROPRIETARY

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
		PRODUCT FEATURE		
DRAWN	12/17/02	AGH-2040-60DD-SF-3482		
CHECKED		DIGITALLY VARIABLE ATTENUATORS		
ISSUED		SIZE	FSCM NO.	DWG NO.
		A	60483	100-6471
		SCALE	SHEET	
		N/A	1 of 3	