

DESCRIPTION

AMC MODEL AGH-0612-60DDSF IS AN ULTRA HIGH SPEED OCTAVE BAND ATTENUATOR/MODULATOR, PROGRAMMABLE BY 8 BIT POSITIVE TRUE BINARY LOGIC.

SPECIFICATIONS

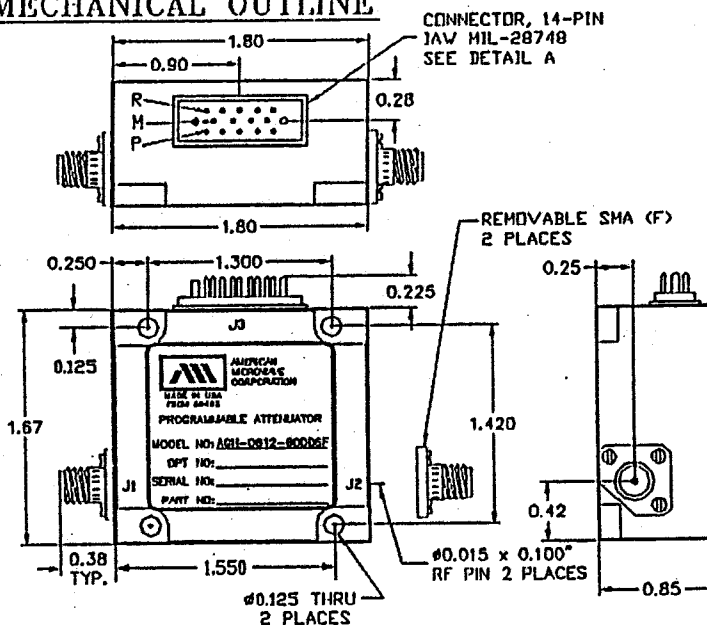
- FREQUENCY RANGE 6-12 GHz MINIMUM
- INSERTION LOSS 2.5 dB MAXIMUM
- ATTENUATION FLATNESS 0-10db ±0.7 MAXIMUM
10-20db ±1.0 MAXIMUM
20-40db ±1.5 MAXIMUM
40-60db ±1.6 MAXIMUM
- ATTENUATION ACCURACY 0-30db ±0.5 MAXIMUM
30-50db ±1.0 MAXIMUM
50-63.75b ±1.5 MAXIMUM
- SWITCHING TIME 125ns MAXIMUM
- TEMPERATURE COEFFICIENT ±0.01 dB/°C
- VSWR (ON/OFF) 1.7:1 MAXIMUM
- POWER RATINGS
OPERATING +20dBm MAXIMUM
SURVIVAL +30dBm MAXIMUM
- CONTROL 8 BIT POSITIVE TRUE TTL BINARY LOGIC,
0.25dB MINIMUM ATTENUATION STEPS
(SEE PIN FUNCTION TABLE)
- POWER SUPPLY +12 TO +18VDC @100mA MAXIMUM
-12 TO -18VDC @ 15mA MAXIMUM
- CONNECTORS
RF INPUT/OUTPUT FIELD REPLACEABLE SMA (FEMALE)
POWER AND CONTROLS MINATURE 14 PIN MALE (MIL-28748),
MATING CONNECTOR (FEMALE) FURNISHED
- SIZE 1.80" x 1.67" x 0.85"

AVAILABLE OPTIONS

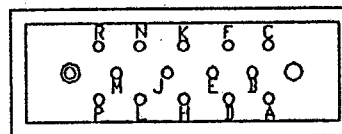
- A01 J1 SMA MALE, J2 SMA FEMALE
- A02 TWO SMA MALE CONNECTORS
- A03 MINIATURE 15 PIN, MALE CONNECTOR (MDM15SSP)
- A04 ULTRA HIGH SPEED (70ns ON/OFF TIME)

J3 PIN FUNCTION	PIN FUNCTION
A	N/C
B	GND
C	0.25dB
D	0.5dB
E	N/C
F	1.0dB
H	2.0dB
J	4.0dB
K	8.0dB
L	16.0dB
M	32.0dB
N	GND
P	+12V TO +18V
R	-12V TO -18V

MECHANICAL OUTLINE



DETAIL A



CONNECTOR, 14-PIN
JAV MIL-28748
SEE DETAIL A


REMOVABLE SMA (F)
2 PLACES

NOTES:

- 1) DIMENSIONS ARE IN INCHES
- 2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010
- 3) WEIGHT: APPROX. 3.4 OZ

ENVIRONMENTAL RATINGS

- TEMPERATURE -55°C TO +85°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	
APPROVALS	DATE	PRODUCT FEATURE	
DRAWN <i>WYP</i>	11/11/92	AGH-0612-60DDSF	
CHECKED <i>WYP</i>	10/14/92	ULTRA HIGH SPEED, 6 TO 12 GHz PROGRAMMABLE ATTENUATOR	
SIZE A	SHEET 1 OF 2	DWG # 100-2812	