

DESCRIPTION

AMC MODEL AGT-2000-65DD-8 OPTION 50M4 IS A NARROW BAND VARIABLE ATTENUATOR/MODULATOR, CONTROLLED BY 10 BIT POSITIVE TRUE BINARY LOGIC.

SPECIFICATIONS

- FREQUENCY RANGE 50 MHz - 4 GHz
- INSERTION LOSS 4.0 dB MAXIMUM
- FREQUENCY FLATNESS (\pm dB MAXIMUM)
 - 0-30 dB \pm 1 dB MAXIMUM
 - 30-40 dB \pm 2 dB MAXIMUM
 - 40-50 dB \pm 3 dB MAXIMUM
 - 50-60 dB \pm 4 dB MAXIMUM
- ATTENUATION ACCURACY
 - 0-20 dB \pm 1.0 dB MAXIMUM
 - 20-40 dB \pm 1.5 dB MAXIMUM
 - 40-65 dB \pm 2.0 dB MAXIMUM
- SWITCHING TIME 3 μ S MAXIMUM
- VSWR 2.2:1 MAXIMUM
- RF POWER RATINGS
 - OPERATING +20 dBm CW MAXIMUM
 - SURVIVAL +30 dBm CW MAXIMUM
- CONTROL 10 BIT TRUE BINARY LOGIC
0.1 dB MAXIMUM ATTENUATION STEPS.
- POWER SUPPLY +12VDC @ 210 mA MAXIMUM
-12VDC @ 30 mA MAXIMUM
- CONNECTORS
 - RF INPUT/OUTPUT SMA FEMALE
 - POWER AND CONTROLS 15 PIN D-SUBMINIATURE (MALE)
MATING CONNECTOR FURNISHED
- SIZE 2.00" x 1.81" x 0.88"

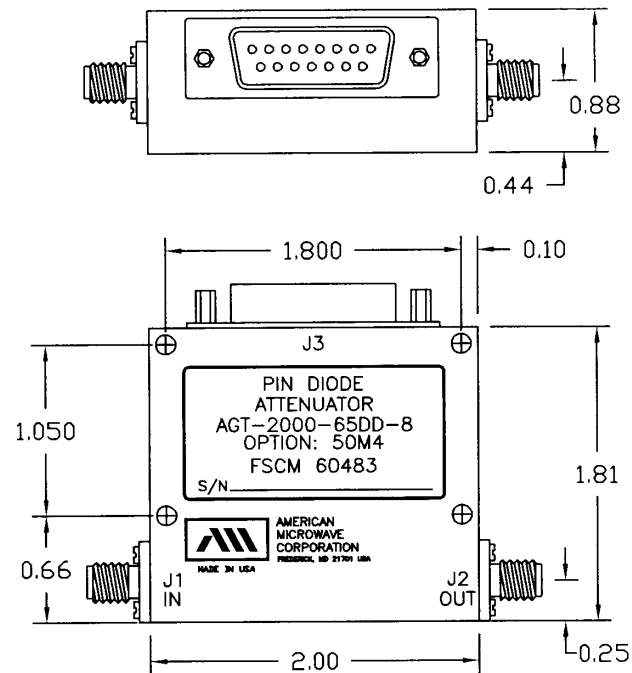
AVAILABLE OPTIONS

- A01 J1 SMA MALE, J2 SMA FEMALE
- A02 TWO SMA MALE RF CONNECTORS
- A03 8 BIT BINARY LOGIC
- A04 11 BIT BINARY LOGIC
- A05 12 BIT BINARY LOGIC

CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE, JOB # 70352E	10/27/03	

MECHANICAL OUTLINE



8 BIT TRUE BINARY LOGIC J3 PIN FUNCTIONS	
PIN NO.	FUNCTIONS.
1	GND
2	N/C *
3	N/C *
4	GND
5	0.25 dB (LSB)
6	0.5 dB
7	1.0 dB
8	2.0 dB
9	4.0 dB
10	8.0 dB
11	16.0 dB
12	32.0 dB
13	+V
14	-V
15	N/C *


* N/C = NO CONNECTION

NOTES:

- 1) DIMENSIONS ARE IN INCHES
- 2) TOLERANCES: X.XX \pm 0.020
X.XXX \pm 0.010
- 3) WEIGHT: APPROX. 4.0 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

		AMERICAN MICROWAVE CORPORATION 7311G GROVE RD., FREDERICK, MD. 21701 TEL: (301) 662-4700 FAX: (301) 662-4938		
				PRODUCT FEATURE AGT-2000-65DD-8 OPT: 50M4 50 MHz - 4 GHz, PROGRAMMABLE VARIABLE ATTENUATOR
APPROVALS	DATE	SIZE	SHEET 1 OF 3	DWG. # 100-6791
DRAWN <i>WHS</i>	10/27/03			
CHECKED				