

## DESCRIPTION

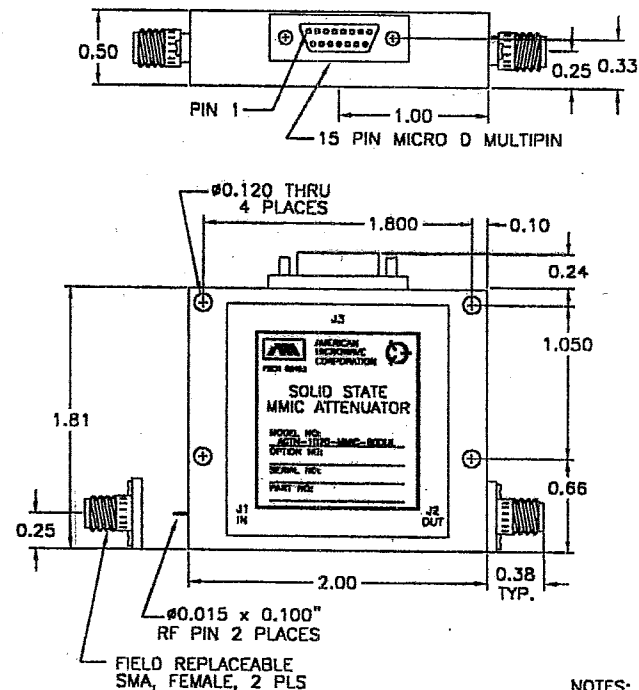
AMC MODEL AGTN-1020-MMIC-60DUL IS A ULTRA HIGH SPEED SOLID STATE MMIC UNLINEARIZED MONOTONIC VOLTAGE VARIABLE ATTENUATOR

## SPECIFICATIONS

- FREQUENCY RANGE ..... 10.0 - 20.0 GHz MINIMUM
- INSERTION LOSS ..... 5.5 dB MAXIMUM
- ATTENUATION RANGE ..... 0-60 dB
- SWITCHING TIME \*  
RISE / FALL ..... 25 nsec MAXIMUM (GOAL 10 nsec)
- VSWR ..... 2.2:1 MAXIMUM
- CONTROL ..... 0 TO 6 VDC
- POWER SUPPLY ..... +12VDC @ 100 mA MAXIMUM  
-12VDC @ 100 mA MAXIMUM
- CONNECTORS  
RF INPUT/OUTPUT ..... SMA FEMALE  
POWER AND CONTROLS ..... 15 PIN MICRO-D SUBMINIATURE (MALE)  
MATING CONNECTOR FURNISHED
- SIZE ..... 2.00" x 1.81" x 0.50"

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 110193-3	02/05/02	

## MECHANICAL OUTLINE



MONOTONIC VOLTAGE VARIABLE	
J3 PIN FUNCTIONS	
PIN NO.	FUNCTIONS.
1	N/C *
2	N/C *
3	CTL
4	GND
5	N/C *
6	N/C *
7	N/C *
8	N/C *
9	N/C *
10	N/C *
11	N/C *
12	N/C *
13	+V
14	-V
15	N/C *

\* N/C = NO CONNECTION

### NOTES:


- 1) DIMENSIONS ARE IN INCHES
- 2) TOLERANCES: X.XX ±0.020  
X.XXX ±0.010

## 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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

CONFIDENTIAL AND PROPRIETARY

PART NO.		 <b>AMERICAN MICROWAVE CORPORATION</b> FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>JCAB</i>	02/05/02	PRODUCT FEATURE	
CHECKED <i>WJP</i>	2/8/02	AGTN-1020-MMIC-60DUL	
ISSUED <i>[Signature]</i>	2/11/02	SOLID STATE MMIC ATTENUATOR	
SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-6254	-
SCALE N:S		SHEET 1 of 3	