

DESCRIPTION

AMC MODEL AGTN-0320-60DD-100 IS A DIGITALLY CONTROLLED VARIABLE ATTENUATOR DESIGNED TO OPERATE BETWEEN THE 0.1 TO 20 GHz FREQUENCY RANGE, 0.3 TO 18 GHz OPTIMIZED.

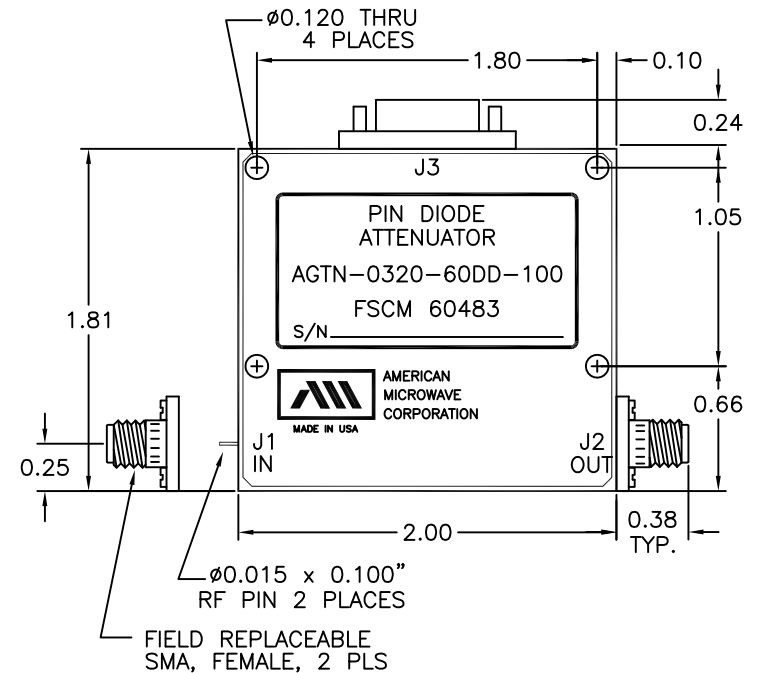
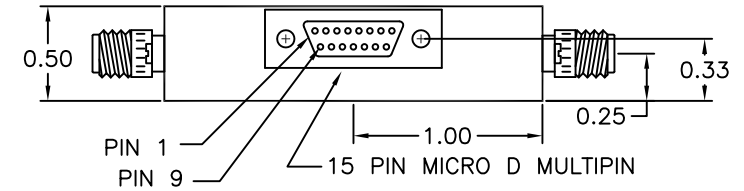
SPECIFICATIONS

- FREQUENCY RANGE: 0.1 TO 20 GHz (0.3 TO 18 GHz OPTIMIZED)
- INSERTION LOSS: 5.0 dB MAXIMUM
- ATTENUATION FLATNESS: 0-10 dB ± 1.0 dB MAXIMUM
(± dB MAXIMUM) 10-30 dB ± 2.0 dB MAXIMUM
30-50 dB ± 3.0 dB MAXIMUM
50-60 dB ± 7.0 dB MAXIMUM
- ATTENUATION ACCURACY: 0-10 dB ± 2.0 dB MAXIMUM
10-20 dB ± 1.0 dB MAXIMUM
20-40 dB ± 1.5 dB MAXIMUM
40-60 dB ± 2.0 dB MAXIMUM
- SWITCHING TIME: 20 µSec MAXIMUM
- VSWR: 2.2:1 MAXIMUM
- RF POWER RATINGS:
OPERATING: +20 dBm CW MAXIMUM
+10 dBm (0.3 GHz OR BELOW)
SURVIVAL: +30 dBm CW MAXIMUM
+27 dBm (0.3 GHz OR BELOW)
- CONTROL: 8 BIT TRUE BINARY LOGIC
- POWER SUPPLY: +12 VDC @ 250 mA MAXIMUM
-12 VDC @ 50 mA MAXIMUM
- CONNECTORS:
RF INPUT/OUTPUT: SMA FEMALE
POWER AND CONTROLS: 15 PIN MICRO-D SUBMINIATURE (FEMALE, 15SSP)
MATING CONNECTOR FURNISHED
- SIZE: 2.00" x 1.81" x 0.50"

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
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

REVISIONS				
ECR	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 508201XN-3	9/20/05	
07-032	A	CHNG. DB CONN. TO FEMALE	02/27/07	RA
07-033	B	CHNG. DB CONN. FOR ATNT1	03/20/07	RA



OPTIONS:

- 0318: 0.3 TO 18 GHz OPTIMIZED
- HS1US: HIGH SPEED 1µSEC MAXIMUM

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: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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APPROVALS		DATE	TITLE				REV.
DRAWN <i>JDI</i>		9/20/05	PRODUCT FEATURE AGTN-0320-60DD-100				
CHECKED <i>LB</i>		9/20/06	0.1-20 GHz, DIGITALLY CONTROLLED VARIABLE ATTENUATOR 0.3-18 GHz OPTIMIZED FREQUENCY RANGE				
RE-DRAWN <i>PRB</i>		02/27/07	SIZE	FSCM NO.	DWG NO.		
			A	60483	100-A004-000	B	
			SCALE	N:S		SHEET 1 OF 4	