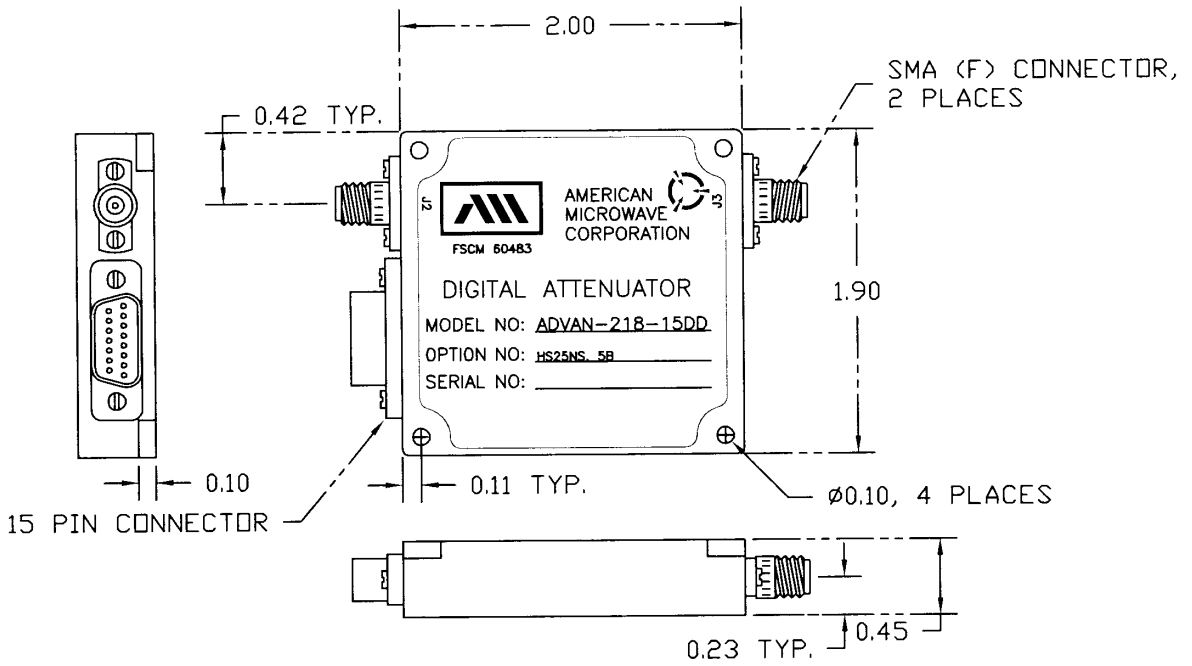
DESCRIPTION:

AMC MODEL ADVAN-218-15DD, OPTION: HS25NS, 5B IS A DIGITALLY VARIABLE ATTENUATOR.
THIS HIGH SPEED ATTENUATOR HAS A DYNAMIC RANGE OF 15 dB, AND USES 5 BIT BINARY CONTROL.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	ORIGINAL RELEASE JOB# 308146XE-1	10/21/05	

SPECIFICATIONS:

- FREQUENCY: 2 – 18 GHz
- DYNAMIC RANGE: 15 dB MIN
- INSERTION LOSS: 6 dB MAX
- BIT ACCURACY: 0.5, 1.0 dB ATTENUATION STEPS ACCURATE WITHIN ±25% AT ANY SINGLE FREQUENCY
- FLATNESS: 0 – 10 dB: ±1.0 dB MAX
  10 – 15 dB: ±1.5 dB MAX
- MONOTONICITY: GUARANTEED
- SPEED: 25 ns MAX (TO WITHIN 0.5 dB OF FINAL ATTENUATION)
- TEMPERATURE STABILITY: < 0.02 dB / °C
- LINEARITY: < 10% DIFFERENCE FROM BEST FIT LINE
- CONTROL: 5 BIT BINARY
- CONNECTORS: RF: SMA FEMALE
  CONTROL: DA-15P WITH JACK POST ASSEMBLY
- POWER SUPPLY: ± 15 VDC OR +5, -15 VDC



CONNECTIONS:

PIN	CONNECTION
1	GND
2	-Vin
3	+Vin
4	A0
5	A1
6	A2
7	A3
8	A4
9	N/C
10	N/C
11	A0GND
12	A1GND
13	A2GND
14	A3GND
15	A4GND

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

CONFIDENTIAL AND PROPRIETARY

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE	PRODUCT FEATURE ADVAN-218-15DD OPTION HS25NS, 5B	
DRAWN DPD	10/21/05	SIZE A	FSCM NO. 60483	DWG NO. 100-6663 REV. –
CHECKED		SCALE N:S		SHEET 1 OF 3
ISSUED				