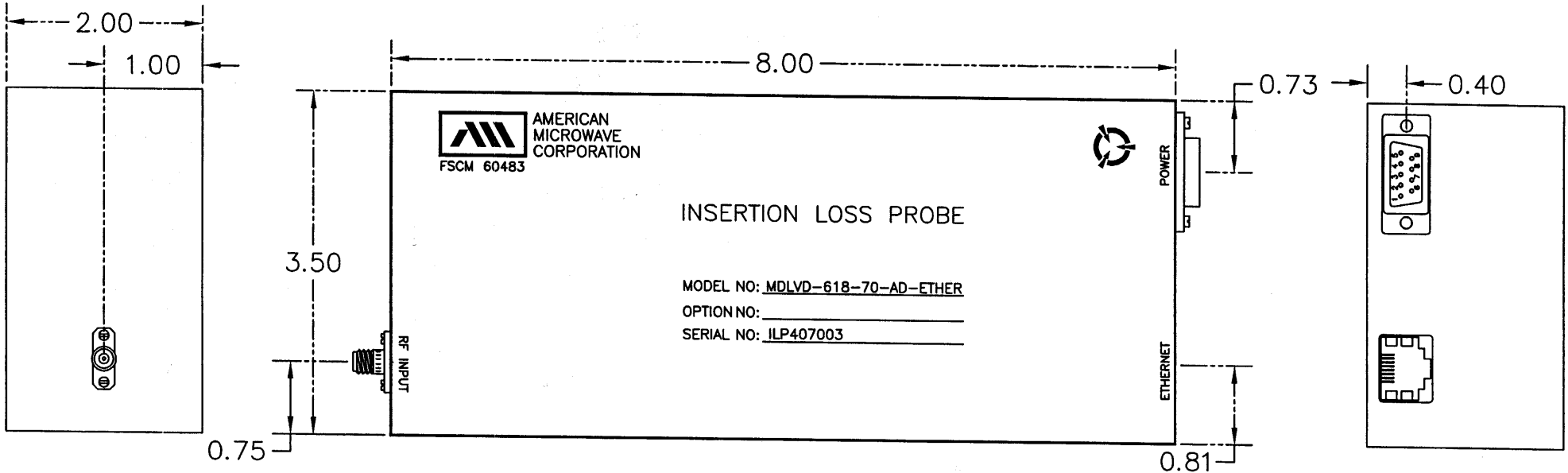


DESCRIPTION

AMC MODEL MDLVD-618-70-AD-ETHER IS AN INTEGRATED 70 dB DETECTOR LOG VIDEO AMPLIFIER WITH A 16 BIT DIGITAL OUTPUT THRU AN ETHERNET INTERFACE.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE JOB# 406137E	08/04/04	

MECHANICAL OUTLINE



AMERICAN MICROWAVE CORPORATION

7311-G GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: 301-662-4700 FAX: 301-662-4938
 WEBSITE: www.americanmicrowavecorp.com
 E-MAIL: sales@americanmicrowavecorp.com
 ISO 9001:2000 CERTIFIED



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

APPROVALS		DATE	TITLE		
DRAWN	<i>gdf</i>	8/3/04	MECHANICAL OUTLINE		
CHECKED	<i>EJC</i>	8-29-04	MDLVD-618-70-AD-ETHER		
ISSUED			70 dB DETECTOR LOG VIDEO AMPLIFIER		
			SIZE	FSCM NO.	DWG NO.
			A	60483	100-7065
			SCALE	N:S	SHEET 2 OF 3

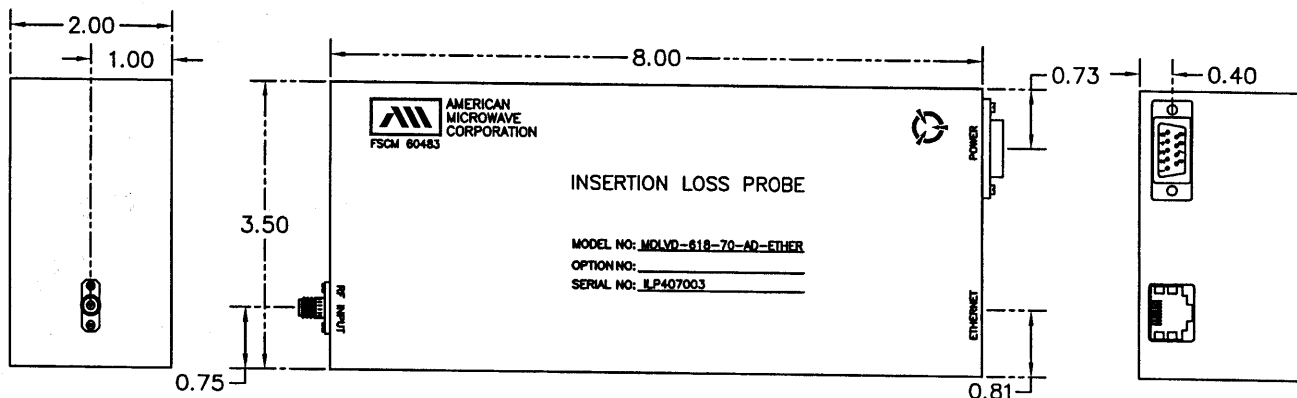
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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 406137E	08/04/04	

SPECIFICATIONS

- FREQUENCY RANGE: 6 TO 18 GHz
- DC POWER: +28V @ 800 mA MAXIMUM
- DYNAMIC RANGE: -65 dBm TO +5 dBm
- LOG SLOPE: 50 mV/dB
- MAXIMUM A/D READING: ... CORRESPONDS TO THE 1 dB COMPRESSION POINT OF THE DLVA (MAXIMUM INPUT POWER IN THE LINEAR REGION OF THE DLVA)
- MINIMUM A/D READING: ... CORRESPONDS TO THE TANGENTIAL SENSITIVITY POINT OF THE DLVA (MINIMUM INPUT POWER THAT GETS YOU ABOVE THE NOISE FLOOR)
- SIZE: 8.00" x 2.00" x 3.50"



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

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APPROVALS		DATE	TITLE		
DRAWN	<i>JDJ</i>	8/3/04	PRODUCT FEATURE		
CHECKED	<i>ESC</i>	7-28-04	MDLVD-618-70-AD-ETHER		
ISSUED			70 dB DETECTOR LOG VIDEO AMPLIFIER		
	SIZE	FSCM NO.	DWG NO.	REV.	
	A	60483	100-7065	-	
SCALE N:S			SHEET 1 OF 3		