

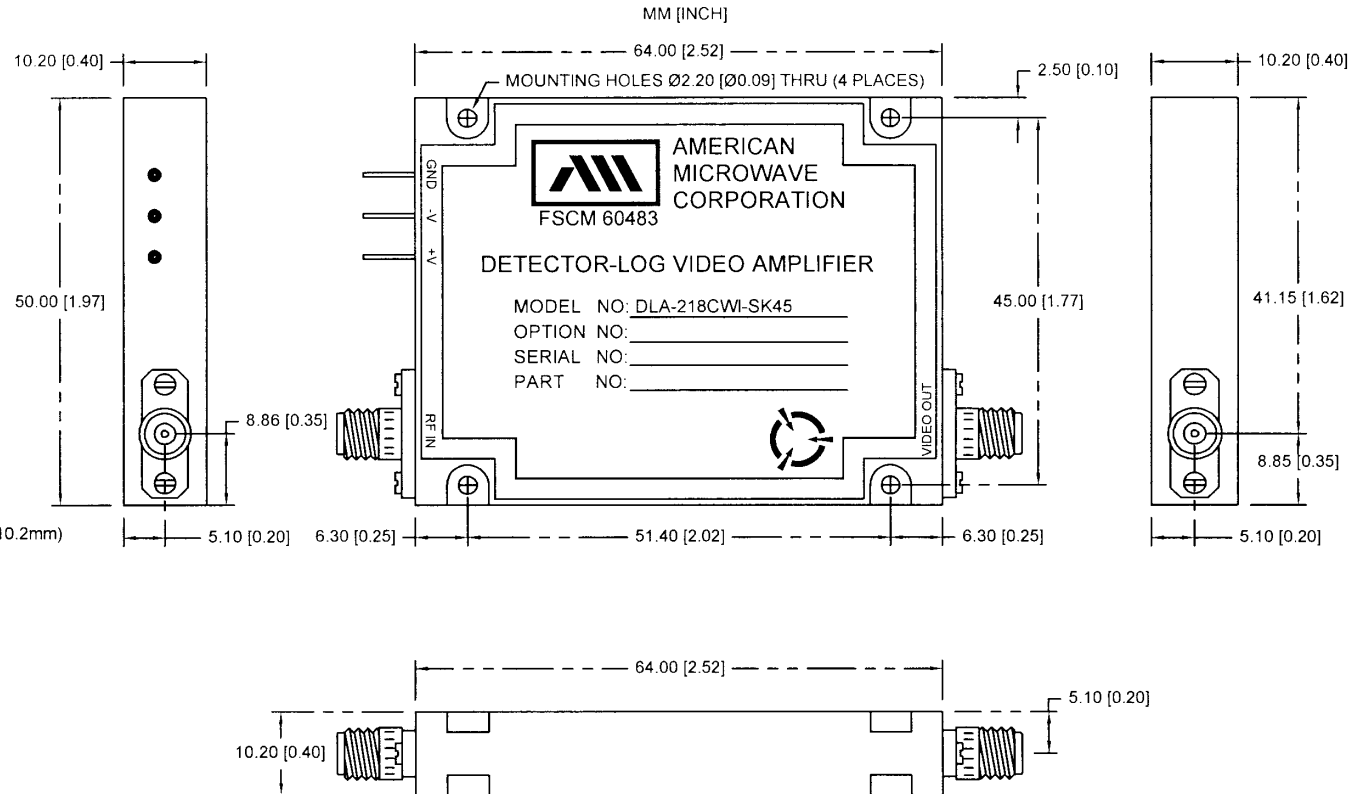
DESCRIPTION:

AMC MODEL NO. DLA-218CWI-SK45 IS A COMPACT DLVA OFFERING CW IMMUNITY AND A TRUE 45 dB DYNAMIC RANGE OVER THE FULL 2.0 TO 18.0 GHz BANDWIDTH. THESE UNITS USE PLANAR DIODE DETECTORS AND MONOLITHIC CIRCUITRY DESIGN FOR HIGH SPEED PERFORMANCE AND OUTSTANDING RELIABILITY.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	7/1/03	

SPECIFICATIONS:

- FREQUENCY: 2 GHz TO 18 GHz
- FREQUENCY FLATNESS: ± 1.5dB
- DYNAMIC RANGE: 45 dB
- INPUT VSWR: 3.0:1 TYPICAL
- TSS: -40 dBm
- LOGGING RANGE: -40 TO +5 dBm
- LOG SLOPE: -50 ± 10% mv/dB
- LOG LINEARITY: ± 1 dB (-40 TO 0 dBm)
- TEMPERATURE STABILITY: ± 1 dB (-55° TO +85° C)
- PULSE WIDTH RANGE: 50 ns TO 100 us
- RISE TIME AT -20 dBm: 20 ns TYPICAL
- RECOVERY TIME: 150 ns TYPICAL
- CW IMMUNITY RANGE: -40 TO -10 dBm
- DC POWER(WITH LOAD): +12 VDC @ 120 mA MAXIMUM
 -12 VDC @ 80 mA MAXIMUM
- DIMENSIONS: 1.97" X 2.52" X 0.40" (64mm X 50mm X 10.2mm)



AVAILABLE OPTIONS:

- OTHER OPTIONS AVAILABLE PLEASE CONTACT FACTORY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -54°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

INCH TOLERANCES:
 X.XX ±0.010
 X.XXX ±0.005

CONFIDENTIAL AND PROPRIETARY

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN <i>KAB</i>	7/1/03	PRODUCT FEATURE DLA-218CWI-SK45		
CHECKED		45dB DLVA WITH INTERNAL CW IMMUNITY		
ISSUED		SIZE	FSCM NO.	DWG NO.
		A	60483	100-6664-2
		SCALE N:S		SHEET 1 of 3