

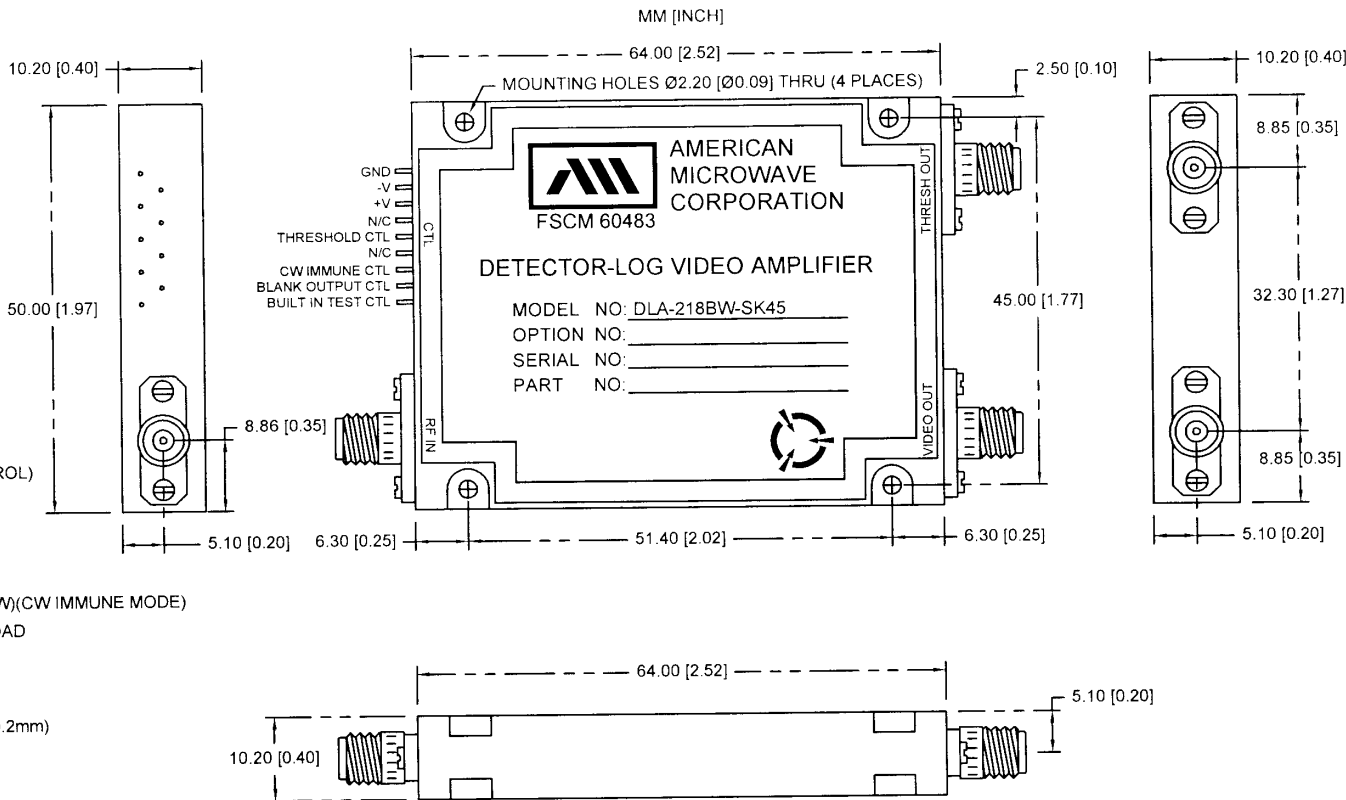
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	7/1/03	

DESCRIPTION:

AMC MODEL NO. DLA-218BW-SK45 IS A COMPACT DLVA OFFERING INTEGRATED MULTI-FUNCTIONAL CAPABILITIES OF DC COUPLING OR CW IMMUNE, ADJUSTABLE THRESHOLD DETECTION, BUILT-IN-TEST RF GENERATOR AND OUTPUT BLANKING. IDEAL FOR RADAR AND RADAR SIMULATION SYSTEM AND SUBSYSTEM APPLICATIONS. THE DLVA OFFERS A TRUE 45 dB DYNAMIC RANGE OVER THE FULL 2.0 TO 18.0 GHz BANDWIDTH WITH DC COUPLING. THESE UNITS USE PLANAR DIODE DETECTORS AND MONOLITHIC CIRCUITRY DESIGN FOR HIGH SPEED PERFORMANCE AND OUTSTANDING RELIABILITY.

SPECIFICATIONS:

- FREQUENCY: 2.0 GHz TO 18.0 GHz
- FREQUENCY FLATNESS: ± 1.5dB TYPICAL
- DYNAMIC RANGE: -45 dB
- LOGGING RANGE: -40 TO +5 dBm
- TSS: -40 dBm
- LOG SLOPE: -50 ± 10% mv/dB (SEE NOTE #1)
- LOG LINEARITY: ± 1 dB (-40 TO 0 dBm)
- VSWR: 3.0:1 TYPICAL
- TEMPRETURE STABILITY: ± 1 dB (-55°C TO +85°C)
- PULSE WIDTH RANGE: 50 nS TO 100uS (CW IMMUNE MODE)
50 nS TO CW (DC MODE)
- RISE TIME: 20 ns TYPICAL
- RECOVERY TIME FROM 0 dB: 150 ns TYPICAL
- THRESHOLD DETECTION: -25 TO -5 dBm
(EXTERNAL ANALOG VOLTAGE CONTROL)
- OUPTPUT BLANKING: TTL CONTROLLED
- RF TEST GENERATOR: TTL CONTROLLED
- DC COUPLING / TTL CONTROLLED
CW IMMUNE MODE
- CW IMMUNITY RANGE: -40 TO -10 dBm(>=100 uS PULSE TO CW)(CW IMMUNE MODE)
- DC POWER: +12 VDC @ 120 mA MAXIMUM WITH LOAD
(80 mA WITH NO RF SIGNAL)
-12 VDC @ 80 mA MAXIMUM
- VIDEO LOAD: 93 OHMS ±5% TOLERANCE
- DIMENSIONS: 2.52" X 1.97" X 0.4" (64mm X 50mm X 10.2mm)
- WEIGHT: < 3.0 OZ.



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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

CONFIDENTIAL AND PROPRIETARY

PART NO.		 AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN	7/1/03	PRODUCT FEATURE DLA-218BW-SK45		
CHECKED		45dB DLVA WITH MULT-FUNCTION CAPABILITY		
ISSUED		SIZE	FSCM NO.	DWG NO.
		A	60483	100-6664-1
		SCALE	N:S	SHEET 1 of 3
				REV. -