

DATE

REVISIONS

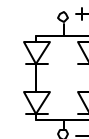
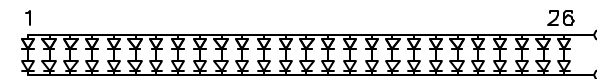
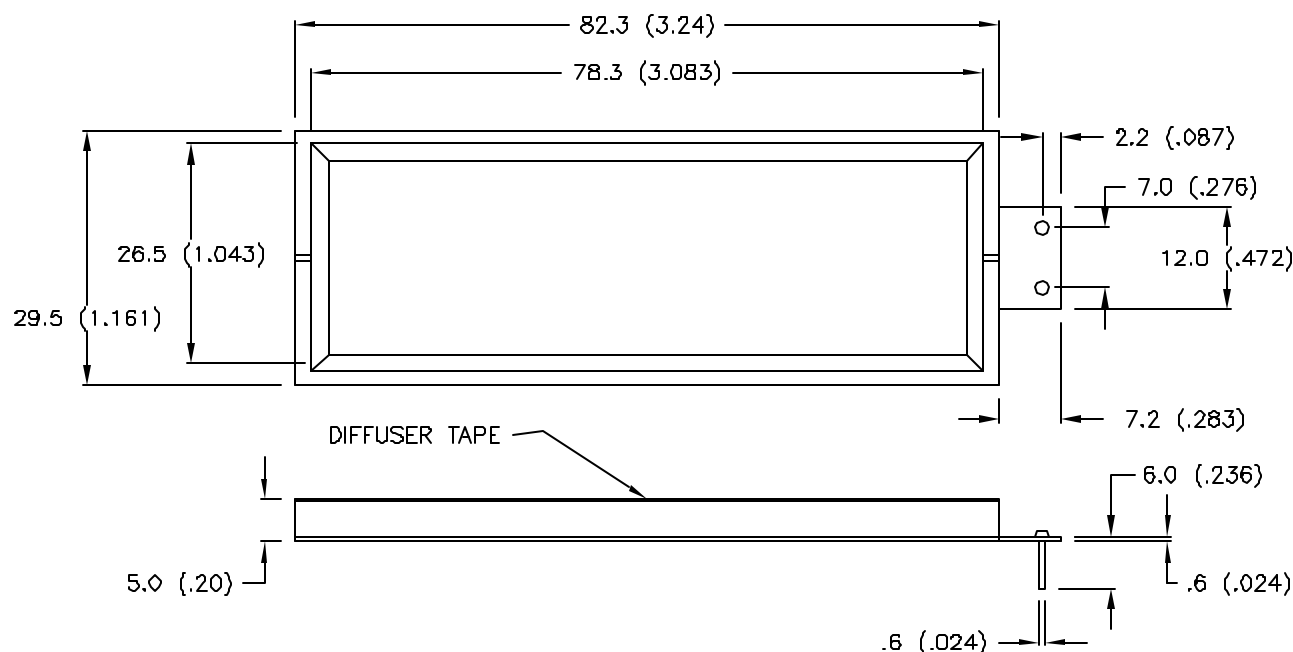
REV

DRAWING NUMBER
SSB-COB7827X

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UNCONTROLLED DOCUMENT

TOP VIEW WITHOUT DIFFUSER TAPE

(26 STRINGS OF 2 LEDs
IN SERIES)

LIMITS OF SAFE OPERATION AT 25 DEG. C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	650	mA
AVG FORWARD CURRENT	390	mA
POWER DISSIPATION PER LED	3.9	W
OPERATING, STORAGE TEMP.	-45 TO +85	°C
LEAD SOLDERING TEMP.	+260	°C
		3 SEC. MAX

ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C I_f=390mA

PARAMETER	GREEN	RED	YELLOW	AMBER	SUPER RED	UNITS
PEAK COLOR WAVELENGTH	565	635	585	605	660	nm
FORWARD VOLTS (TYP)	4.5	4.3	4.3	4.3	3.6	V _f
LIGHT OUTPUT (TYP)	400	600	400	600	700	cd/m ²
REVERSE VOLTS @0.2mA	8.0	8.0	8.0	8.0	7.0	V _r MIN
VIEWING ANGLE (TYP)	180	180	180	180	180	2x theta
EMITTED COLOR	GREEN	RED	YELLOW	AMBER	RED	
(X) PART OF SUFFIX	(G)	(I)	(Y)	(A)	(SR)	

RELIABILITY NOTE:

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

UNCONTROLLED DOCUMENT292 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(708) 359-2790

DATE: 5-19-95

APPROVED BY:

DRAWN BY:

SCALE: DO NOT SCALE DWG

78mm X 27mm BACKLIGHT DISPLAY, 52 CHIPS ON BOARD

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