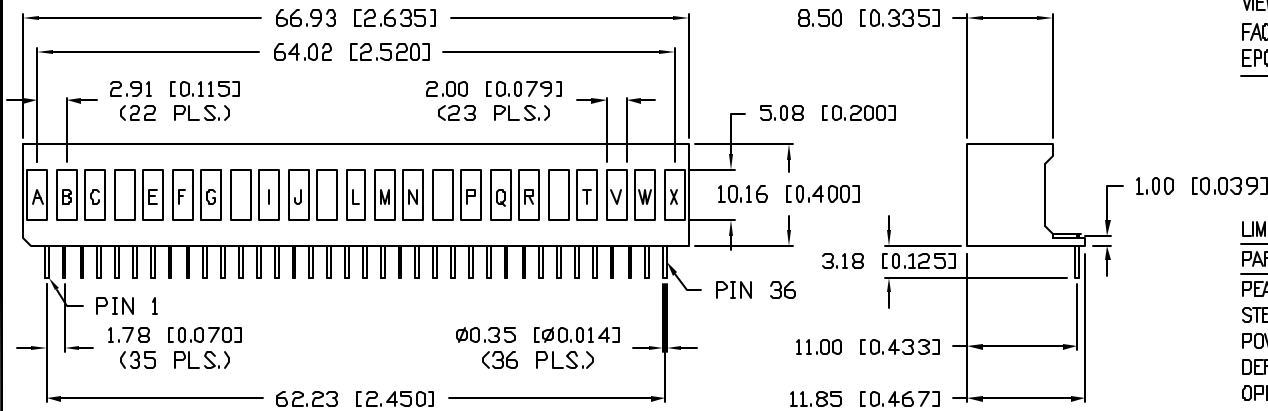


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$

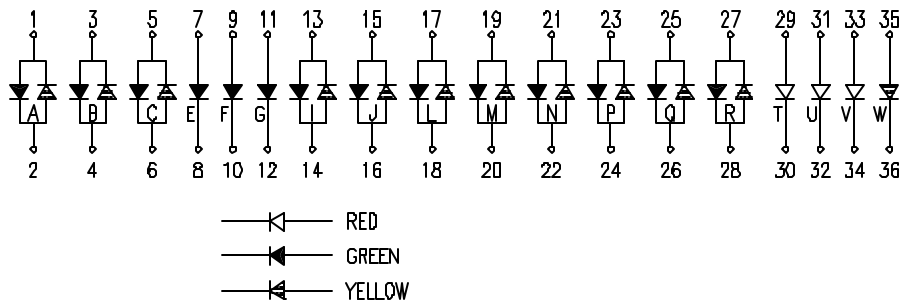
PARAMETER	RED	GREEN	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	636	565	585	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.2	2.1	V <sub>f</sub>	
FORWARD VOLTAGE (MAX.)	2.5	2.6	2.5	V <sub>f</sub>	
REVERSE VOLTAGE	5.0	5.0	5.0	V <sub>r</sub>	$I_r=100\mu\text{A}$
AXIAL INTENSITY	4	4	4	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	160	2x theta	
FACE COLOR:	BLACK				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				



LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G/Y)	30/25/30	mA
POWER DISSIPATION	(R/G/Y)	40/45/45	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX


\*  $t < 10\mu\text{s}$



NOTES:

- REFLECTOR MATERIAL: NORYL.
- LUMEX PART NUMBER TO BE STAMPED ON THE SIDE OF REFLECTOR.
- NO LED IN POSITIONS: D, H, K, O, S.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= +DECIMAL PRECISION MAX= -DECIMAL PRECISION

REV.	PART NUMBER SSB-LXB23GYIXWRA	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
23 SEGMENT ARRAY, RED, GREEN, YELLOW ASSORTED, MILKY WHITE DIFFUSED SEGMENTS.		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.	DRAWN BY: KS/CT	CHECKED BY: APPROVED BY: DATE: 12.18.01 PAGE: 1 OF 1 SCALE: N/A