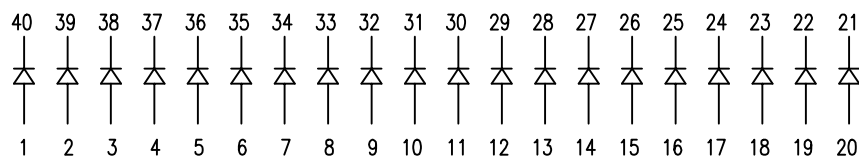


PINOUT DETAIL: TOP VIEW



NOTE:

G= 565nm GREEN
R= 635nm RED

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

PARAMETER	GREEN	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	635	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.0	V _f	
FORWARD VOLTAGE (MAX.)	2.6	2.5	V _f	
REVERSE VOLTAGE	5.0	5.0	V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	7	7	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	2x theta	
LED POSITION:	1~10	11~20		
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED			
FACE COLOR:	BLACK			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/R)	25/30	mA
POWER DISSIPATION		105	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

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

*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER
SSA-LXB20G10I10W

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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.

LUMEX
INCORPORATED

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2mm x 5mm, 20 SEGMENT BAR GRAPH,
POS. 1~10: 565nm GREEN, POS. 11~20: 635nm RED,
BLACK FACE, MILKY WHITE SEGMENTS.

DRAWN BY: KS/DU
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SCALE: N/A

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