



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

PARAMETER	RED	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	635	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.6	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	15	10	10	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	110	110	110	2x theta	
LED POSITION:	1~4	5~6	7~10		
EPOXY LENS FINISH: MILKY WHITE					

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G/Y)	30/25/30	mA
POWER DISSIPATION		10.2	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			J SEC. MAX

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

NOTES:

- SSH-LXB101 HOLDER, BLACK.
- SSL-LX2583W, LED. (4 PCS.)
SSL-LX2583YW, LED. (2 PCS.)
SSL-LX2583GW, LED. (4 PCS.)



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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= -0.00, MAX= +0.00

REV.

PART NUMBER

SSA-LXB10114Y2G4W

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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.



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LED ARRAY, 10 UNIT 2mm x 5mm RECTANGULAR LEDS,
POS.1~4: RED, POS.5~6: YELLOW, POS.7~10: GREEN
MILKY WHITE DIFFUSED.

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 12.26.07

JN

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SCALE: N/A