

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

PARAMETER	GREEN	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	700	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.0	nm	
FORWARD VOLTAGE (MAX.)	2.6	2.5	V _f	
REVERSE VOLTAGE	5.0	5.0	V _r	I _r =100μA
AXIAL INTENSITY	10	8	mcd	I _f =20mA
VIEWING ANGLE	110	110	2x theta	
LED POSITION:	1~7	8~10		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	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	

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

NOTES:

- SSH-LXH1025 HOLDER. MATERIAL: BLACK NYLON, UL V94-0.
- SSL-LX25583GD LED (7 PCS). UNCUT LEADS.
- SSL-LX25583HD LED (3 PCS). UNCUT LEADS.
- SORT LEDS FOR MATCHED INTENSITY PER. SPP 0202 (GREEN).

*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 LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER
SSA-LXH1025G7H3D

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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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10 UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LEDS,
POS. 1~7: 565nm GREEN, POS. 8~10: 700nm RED,
DIFFUSED PER POSITION, UNCUT LEADS.

DRAWN BY:

BC/SK

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SCALE: N/A

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