Products > High Power LEDs > SuperBeamLED



Features / Options

- ► State-of-the-Art, High Brightness Chip Technology
- ► Choice of Colors and Lens Finishes
- ► Maintenance Free Long Life

Applications / Uses

- ► Flashlights
- ► Illuminating Signs/Artwork
- ► Decorative Lighting
- ▶ Backlighting

Part Number:	Brightness	Dice Material	Emitted Color	Peak Wavelength	Epoxy Lens	Operating Typ Vf (V)	Intensity Typ, mcd @ 20 mA	View Angle 2x Theta	
SSL-LX100T123SIC	High	AlInGaP	Red	630	Clear	2.0	35 lm	25	_
SSL-LX100T123SYC	High	AlInGaP	Yellow	590	Clear	2.0	35 lm	25	_
SSL-LX100T123UPGC	High	InGaN	Green	525	Clear	3.5	55 lm	25	_

SSL-LX100T123SIC

PRELIMINARY IN P/N DIR

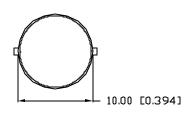


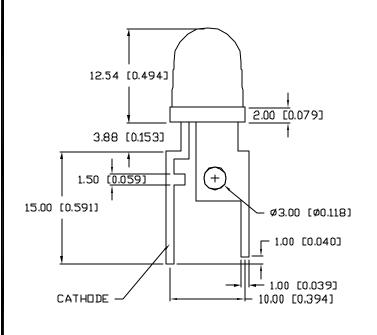
PARAMETER	SYMB\(\mathbb{O}\)L	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			636		nm	
FORWARD VOLTAGE	٧f		2.0	3.0	V	$I_f = 350 \text{mA}$
REVERSE VOLTAGE	٧r	5			V	I _Γ =10μΑ
AXIAL INTENSITY	Ιv	27		45	lm	$I_{f} = 350 \text{mA}$
VIEWING ANGLE			25		2x theto	יייייסטט – ויי
EMITTED COLOR:	RED					
EPOXY LENS FINISH:	CLEAR					

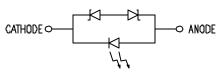
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS		
PEAK FORWARD CURRENT*	500	mA		
STEADY CURRENT	350	mA		
POWER DISSIPATION	1.4	W		
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		

*T<10µS









**UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECINAL PRECISION MAX. = +0.00 -DECIMAL PRECISION MA

PART NUMBER
SSL-LX100T123SIC

ø10.00mm 1 WATT THROUGH HOLE, HIGH POWER LED, 636nm AlinGaP RED LED, WATER CLEAR LENS.

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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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