

Products > LEDs > Thru-Hole > Round > 5mm > InspirationLEDs



Features / Options

State-of-the-Art, High Brightness Chip Technology

Choice of Colors and Lens Finishes

- ► Lead Frame / Lens Casting Reliability
- Easy-to-Solder Leads, Tin Finish

Available Bulk or on Tape and Reel

► Lead Trimming and Forming Available

Custom Shapes, Easily Tooled, Low Minimum

Applications / Uses

- Soft Lighting Applications
- Medical Diagnostics Indicators

► Board or Panel Indication or Illumination

Annunciator and Control Panels

► Telecom Switches and Central Station Equipment

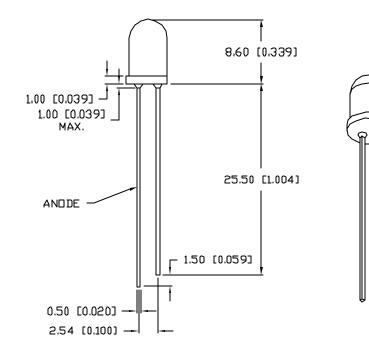
Large Panel Indicators

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-LX5093PC	HIGH	InGaN	Pink	-	Clear	3.5	2200	20	_
SSL-LX5093TC	HIGH	InGaN	Turquoise	-	Clear	3.5	2200	20	
SSL-LX5093VC	HIGH	InGaN	Purple	-	Clear	3.5	2200	20	

UNCONTROLLED DOCUMENT



- ø5.00 [ø0.197] Ø5.90 [Ø0.232] -



FLECTRO-OPTICAL CHARACTERISTICS TA=25°C

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PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	test cond
PEAK WAVELENGTH			-		nm	
FORWARD VOLTAGE	۷f		3.2	4.0	V	lf=20mA
REVERSE VOLTAGE	۷r	5			V	Ir=1DµA
AXIAL INTENSITY(*1)	١v	900	220D		med	lf=20mA
CHROMATICITY Coordinates(*2)	X Y		0.19 0.41			l _f =20mA
VIEWING ANGLE			20		2x th e t	٥
EMITTED COLOR:	TURQUOISE					
EPOXY LENS FINISH:	WATER CLE	AR				

PART NUMBER

SSL-LX5093TC

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH. *2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	Ip	100*	mA
STEADY CURRENT	l _F	30	mA
POWER DISSIPATION	PD	120	тW
OPERATING TEMP,	Topr	-40 TO +85	' C
STORAGE TEMP.	TSTC	-40 TO +85	.C
SOLDERING TEMP.		+ 260	. C
2.0mm FROM BODY			3 SEC. MAX
*DUTY 1/10 PULSE WIDTH 10	Ims		

CAUTION: STATIC SENSITIVE DEVICE FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART,

*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,XX=±0.127 (±0.035). LEAD SIZE=±0.05 (±0.020), LEAD LENGTH=±0.75 (±0.030). WN = +DECIMAL PRECISION WX.= +0.000 -0.000 WX.= +0.000 WX.= +

REV.	PART NUMBER	<u>Confidential information</u> The information contained in this document is the property of	i isa	EV			
	SSL-LX5093TC	lumex NG. Except as specifically authorized in writing by lunex	MA LATAN PERSONA IN MIS				
	T-5mm TURQUOISE LED,	<u>Relability note</u> Our nany years of experience data accumulation indicate that	DRAWN BY:	CHECKED BY:	APPROVED BY:		
	WATER CLEAR LENS.	SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.	JN			PAGE: SCALE:	1 OF 1 N/A