



ELECTRO-OPTICAL CHARACTERISTICS:  $I_A=25^{\circ}\text{C}$   $I_F=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.5	4.0	V <sub>F</sub>	
REVERSE VOLTAGE		5.0		V <sub>R</sub>	$I_F=100\mu\text{A}$
AXIAL INTENSITY		70		mcd	$I_F=20\text{mA}$
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:		BLUE			
EPOXY LENS FINISH:		BLUE DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	98	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
* $t < 10\mu\text{s}$		

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), 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), MW=±0.05, MAX.=+0.00, MIN.=−0.00, DECIMAL PRECISION

PART NUMBER

SSL-LX2573USBD

2mm x 5mm 470nm ULTRA SUPER BLUE LED,  
BLUE DIFFUSED 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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