



ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.3	4.0	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY	700	1100		mcd	If=10mA
VIEWING ANGLE		35		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	BLUE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC. MAX.

* t<10μs

NOTES:

1. SSL-LX3054USBD, BLUE LED, TRIM LEADS TO 5mm
2. SSI-LXR3612 HOLDER, CHROME HOUSING.
3. LXP-WA-3612 RUBBER GASKET.
4. SSH-LXH1612BSG BUSHING, INSERT AND CRIMP.
5. ANODE LEAD: LXP-WST26RDTCC, 26 AWG STRANDED WITH RED INSULATION, CUT TO 183mm LONG, STRIP ENDS 2mm AND 9.5mm.
6. CATHODE LEAD: LXP-WST26RDTCC, 26 AWG STRANDED WITH BLACK INSULATION, CUT TO 183mm LONG, STRIP ENDS 2mm AND 9.5mm.
7. SOLDER LED LEADS TO WIRE LEADS.
8. WATER RESISTANT PER NEMA STANDARD 250 SECTION 6.7.

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.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

UNCONTROLLED DOCUMENT



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T-3mm (T-1) 470nm BLUE LED PANEL INDICATOR, BLUE DIFFUSED LENS, 6" WIRE LEADS, WATER RESISTANT.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE:	06.29.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	BC
UNIT:	mm [INCH]		Ⓟ

Mouser Electronics

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[SSI-LXR3612USBD18W](#)