

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		80		med	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$

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

NOTES:

- SSL-LX4073ZIC LED, RED. (INSIDE)
- SSH-LXMP5011 HOLDER, BLACK.
- LXP-LXN5011C, WATER CLEAR LENS.
- ANODE LEAD: LXP-WST24RDT0C, 24 AWG STRANDED, TOP OVERCOAT, RED INSULATION, CUT 180mm LONG, STRIP 4mm & 9.5mm.
- CATHODE LEAD: LXP-WST24BLT0C, 24 AWG STRANDED, TOP OVERCOAT, BLACK INSULATION, CUT 180mm LONG, STRIP 4mm & 9.5mm.
- HEAT SHRINK: LXP-HEATSHRINK-4, 1/8" x 1/2". (1 PIECE)
- 'LUMEX' ON FRONT (ANODE SIDE) OF 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=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSI-LXMP5011ZIC150

12mm SQUARE PANEL INDICATOR WITH LENS, 6" WIRE LEADS.

636nm TS 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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SCALE: N/A

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