



ELECTRO-OPTICAL CHARACTERISTICS I_A=25°C V_F=12V

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		700		nm	
FORWARD VOLTAGE		12.0	14.0	V _F	I _F =100µA
REVERSE VOLTAGE	5.0			V _R	
AXIAL INTENSITY		5		mcd	V _F =12V
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:		RED			
EPOXY LENS FINISH:		RED DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE*	14.0	V
STEADY CURRENT	12	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.5	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX
* t<10µs		

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=#1 (+0.039), X#=#0.8 (+0.020), X#X=#1.25 (+0.010), XXX=#0.127 (+0.005), LEAD SIZE=#0.08 (+0.002), LEAD LENGTH=#0.75 (+0.030), MIN=-0.00

PART NUMBER

SSL-LX3044HD-12V

T-3mm (T-1) 700nm RED LED,
RED DIFFUSED LENS, 12 VOLT OPERATION.

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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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