

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

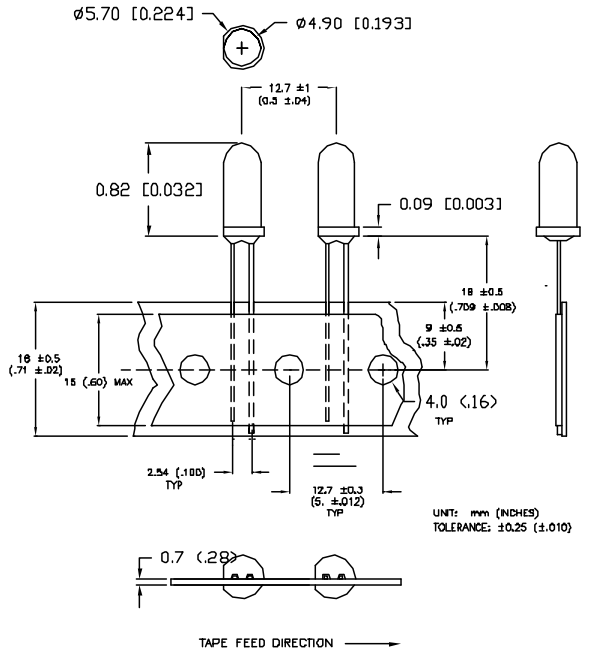
[Lumex, Inc.](#)
[SSL-LX50133ID-TR](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSL-LX50133ID-TR		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10214.	6.27.96
B	E.C.N. #11148.	02.05.07



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		40		mcad	$I_f = 20\text{mA}$
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 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	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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



UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.030), 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), MIN= \pm DECIMAL PRECISION MAX= \pm DECIMAL PRECISION

REV.	PART NUMBER
B	SSL-LX50133ID-TR

CONFIDENTIAL INFORMATION
 THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.



290 E. HELEN ROAD
 PALATINE, IL 60067-6976
 PHONE: +1.847.359.2790
 US WEB: www.lumex.com
 TW WEB: www.lumex.com.tw

T-5mm (T-1 3/4) LED, RED DIFFUSED, TAPE AND REEL.

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
JC			4.4.96
			PAGE: 1 OF 1
			SCALE: N/A