

UNCONTROLLED DOCUMENT

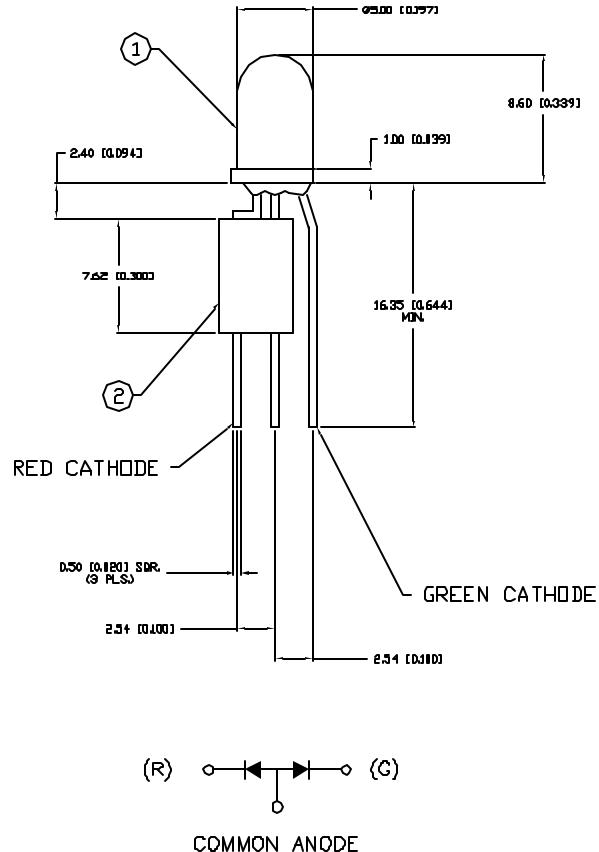
PART NUMBER

REV. 1

SSS-LX5099IGW27248

A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	02.21.07



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) 565 (GREEN)		nm		
FORWARD VOLTAGE(R/G)		2.0/2.2	2.5/2.6	V _f		
REVERSE VOLTAGE	5.0			V _r	I _f = 100µA	
AXIAL INTENSITY		20		mcad	I _f = 20mA	
VIEWING ANGLE		60		2x theta		
EMITTED COLOR:	RED/GREEN					
EPOXY LENS FINISH:	MILKY WHITE	DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	30/25	mA
POWER DISSIPATION		105	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

* $t < 10\text{ ms}$

NOTES

1. SSL-LX5099IGW-CA16 LED.
2. SSS-LX300B5, BLACK NYLON SPACER.



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X = \pm 1$ (± 0.039), $XX = \pm 0.5$ (± 0.020), $XXX = \pm 0.25$ (± 0.010), $XXXX = \pm 0.127$ (± 0.005), LEAD SIZE = ± 0.05 (± 0.002), LEAD LENGTH = ± 0.75 (± 0.030), MIN. = -0.000 , MAX. = $+0.000$, +DECIMAL PRECISION -DECIMAL PRECISION

REV. A	PART NUMBER SSS-LX5099IGW27248	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, BICOLOR RED/GREEN, MILKY WHITE DIFFUSED LENS, COMMON ANODE WITH SPACER.	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: JC	CHECKED BY: JC	APPROVED BY: JC	DATE: 10.06.04 PAGE: 1 OF 1 SCALE: N/A

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