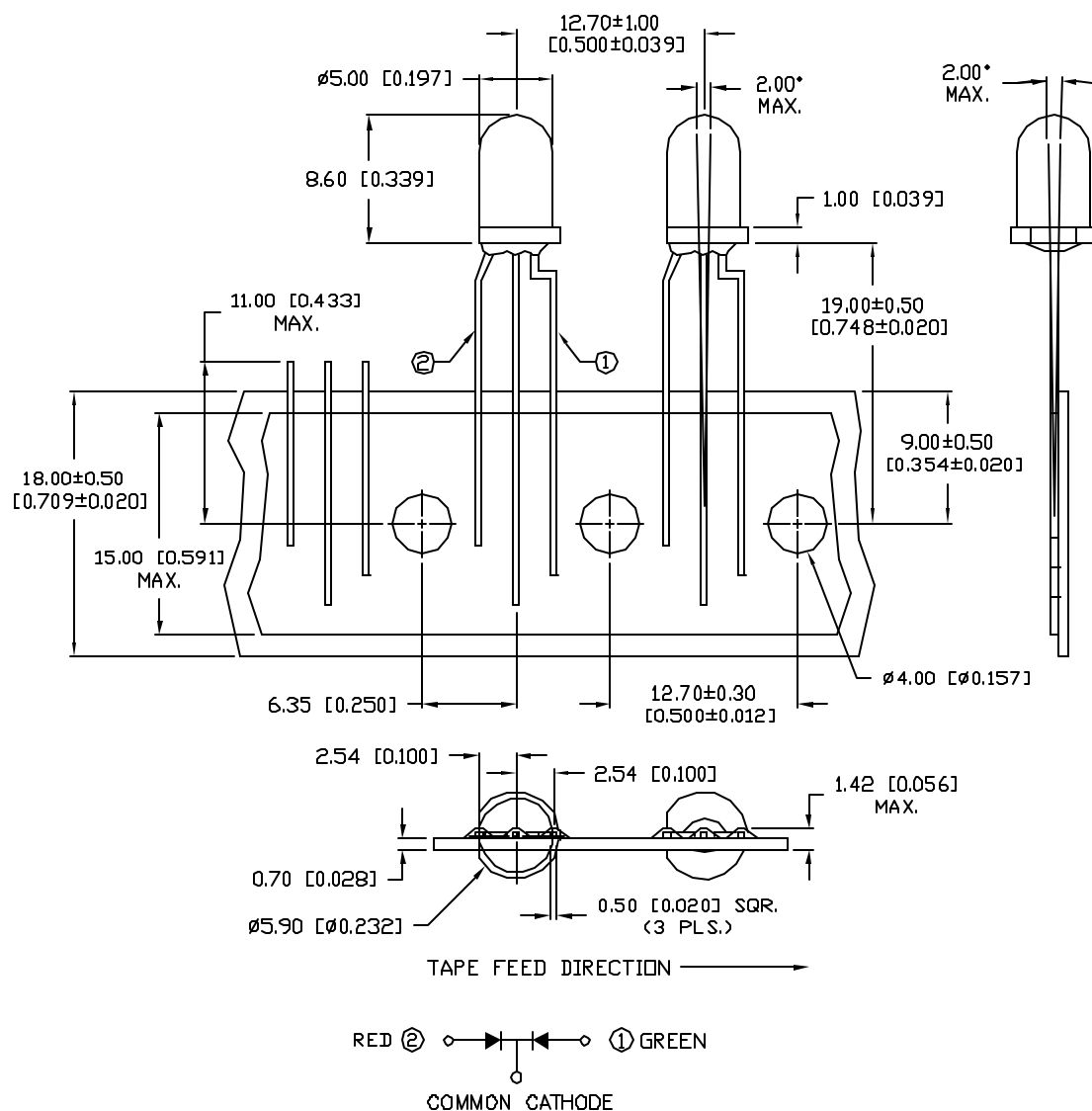


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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+0.00
-0.00 DECIMAL PRECISION MAX.=+0.00
-0.00 DECIMAL PRECISION

REV.
A

PART NUMBER
SSL-LX5099GIW-TR

T-5mm (T-1 3/4) 565nm GREEN/635nm RED BICOLOR LED,
MILKY WHITE DIFFUSED LENS, COMMON CATHODE.

CONFIDENTIAL INFORMATION

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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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DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 11.06.06
JC			PAGE: 1 OF 1
			SCALE: N/A

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$			$I_f=20\text{mA}$		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (GREEN)		nm	
		635 (RED)		nm	
FORWARD VOLTAGE (G/R)		2.2/2.0	2.6/2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (G/R)		45/55		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN/RED				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

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

* $t < 10 \mu s$

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REV.
A

SSL-LX5099GIW-TR

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

11.06.06

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
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PEAK WAVELENGTH	565 (GREEN)	nm
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635 (RED) nm

FORWARD VOLTAGE (G/R)	2.2/2.0	2.6/2.5	V _f
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REVERSE VOLTAGE 5.0 V_r $I_r=100\mu A$

AXIAL INTENSITY (G/R) 45/55 mcd If=20mA

VIEWING ANGLE 60 2x theta

EMITTED COLOR: GREEN/RED

EPOXY LENS FINISH: MILKY WHITE DIFFUSED

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
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PEAK FORWARD CURRENT*	150	mA
-----------------------	-----	----

STEADY CURRENT (G/R) 25/30 mA

POWER DISSIPATION	105	mW
-------------------	-----	----

DERATE FROM 25°C -1.2 mW/°C

OPERATING, STORAGE TEMP.	-40 TO +85	°C
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SOLDERING TEMP.	+ 260	°C
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2.0mm FROM BODY 3 SEC. MAX

* $t < 10 \mu s$

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