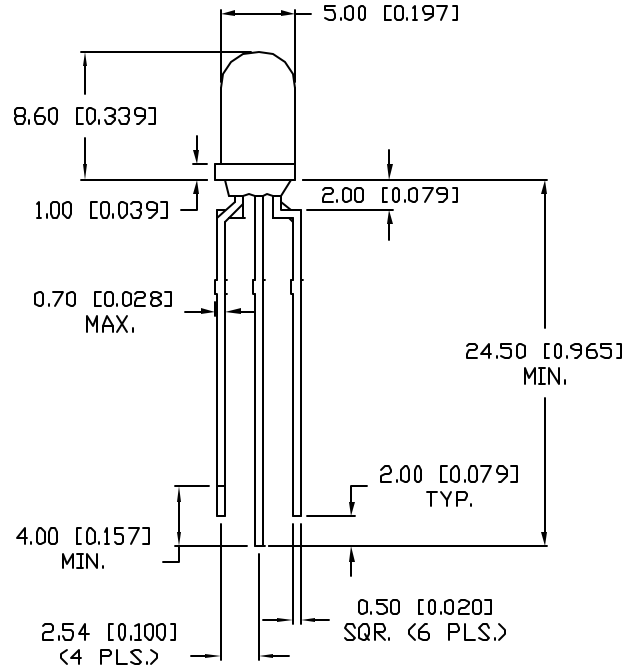
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
		940 (EL)		nm	
		850 (CL)		nm	
FORWARD VOLTAGE (R)		1.7	2.2	V_f	
(EL)		1.2	1.6	V_f	
(CL)		1.4	1.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY R		45		mcd	$I_f=20\text{mA}$
RADIANT INTENSITY (EL)		6		mW/SR	$I_f=20\text{mA}$
(CL)		8		mW/SR	$I_f=20\text{mA}$
VIEWING ANGLE		30		$2x$ theta	
EMITTED COLOR:		RED/IR/IR			
EPOXY LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT* (R/EL/CL)		155/1200/1000	mA
STEADY CURRENT (R/EL/CL)		30/50/50	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

*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. $\frac{+0.00}{-0.00}$ DECIMAL PRECISION MAX. $\frac{+0.00}{-0.00}$ DECIMAL PRECISION

REV.

PART NUMBER

SSL-LX5099SRELCLC

T-5mm (T-1 3/4) LED, 6 LEADED, MULTI-COLORED,
660nm SUPER RED/940nm INFRARED,
850nm INFRARED, 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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PAGE: 1 OF 1

SCALE: N/A