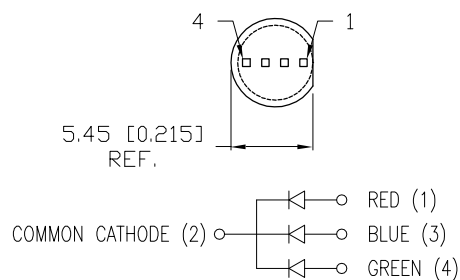
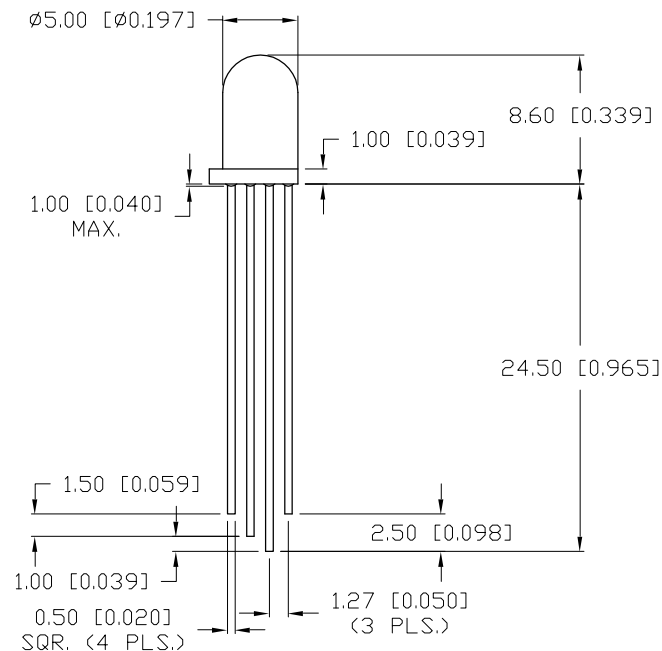


PART NUMBER	SSL-5097SIUBUPGC	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.17.05	E.C.N. #11230		A
11.02.05	E.C.N. #11280		B
11.02.06	E.C.N. #11148		C

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

PARAMETER	RED	BLUE	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	636	470	525	nm	
FORWARD VOLTAGE TYP	2.0	3.5	3.5	V_f	
FORWARD VOLTAGE MAX	2.5	4.0	4.0	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	(R/B/G) 800/700/800			mcd	$I_f=20\text{mA}$
VIEWING ANGLE	50	50	50	2x theta	
EMITTED COLOR	RED/BLUE/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/B/G)	185/150/130	mA
STEADY CURRENT (R/B/G)	30/30/25	mA
POWER DISSIPATION (R/B/G)	170/102/105	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), $x.x=\pm 0.5$ (± 0.020), $x.xx=\pm 0.25$ (± 0.010), $x.xxx=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $\frac{+ \text{DECIMAL PRECISION}}{-0.00}$ MAX.= $\frac{+0.00}{- \text{DECIMAL PRECISION}}$ UNCONTROLLED DOCUMENT



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T-5mm (T-1 3/4) RED/GREEN/BLUE (RGB) LED, COMMON CATHODE, 0.05" LEAD SPACING, WATER CLEAR LENS

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE: 11.02.06	DRAWN BY: JC
PAGE: 1 OF 1	CHKD BY:
SCALE: N/A	APRVD BY:
UNIT: mm [INCH]	