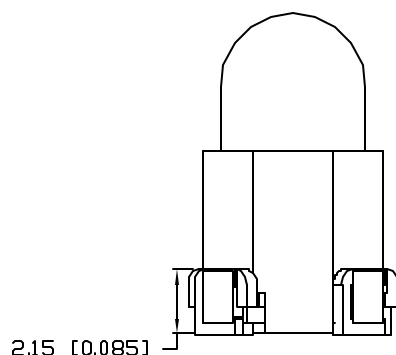
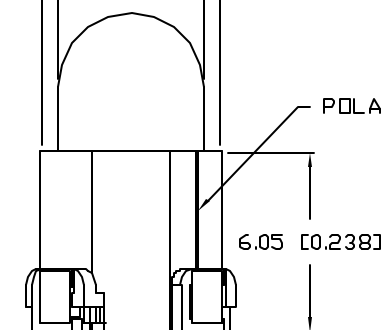
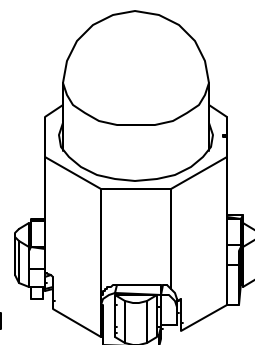
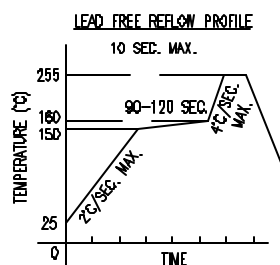
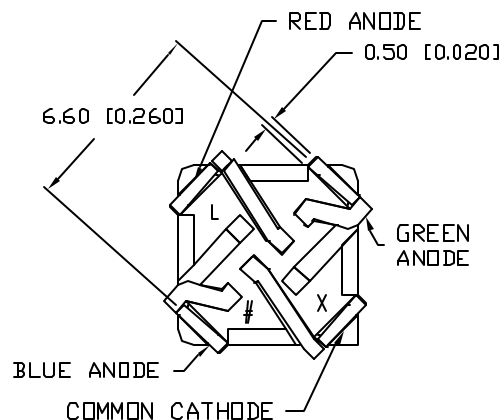


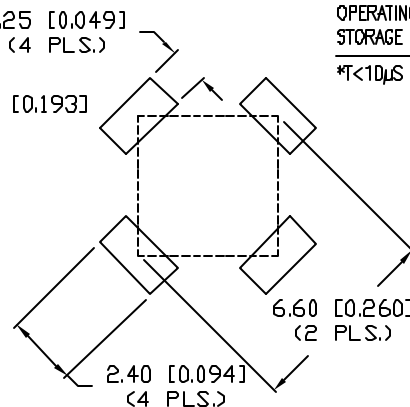
6.00 [0.236]
5.00 [0.197]



RECOMMENDED PAD LAYOUT



TOTAL TIME ABOVE 220°C IS 80 SECONDS MAX.

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	
		465 (BLUE)		nm	
		520 (GREEN)		nm	
FORWARD VOLTAGE (R)		2.2	2.7	V _f	
(B)		3.4	4.0	V _f	
(G)		3.4	4.0	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_f=100\mu\text{A}$
AXIAL INTENSITY (R/B/G)	1100/600/2200			mod	$I_f=20\text{mA}$
VIEWING ANGLE		70		2x theta	
EMITTED COLOR:	RED/BLUE/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PERCHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	R/B/G	100	mA
STEADY CURRENT	R/B/G	30/20/20	mA
POWER DISSIPATION	R/B/G	95/80/80	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING TEMP.		-30 TO +80	°C
STORAGE TEMP.		-40 TO +100	°C

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

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-HL505SIUPGUSBC

5mm SURFACE MOUNT DOMED LED,
RED/GREEN/BLUE WATER CLEAR LENS.

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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DATE: 01.05.06

PAGE: 1 OF 1

SCALE: N/A

Pb