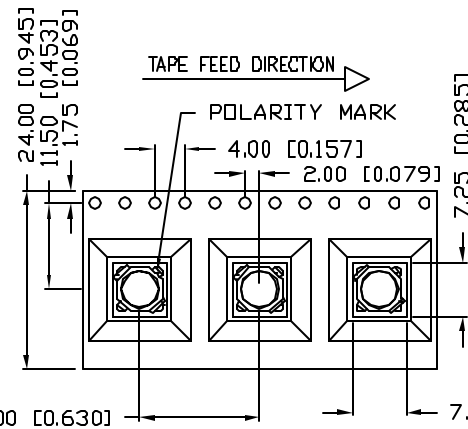
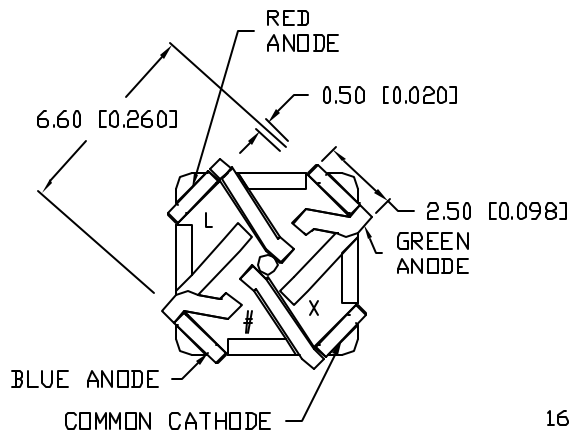
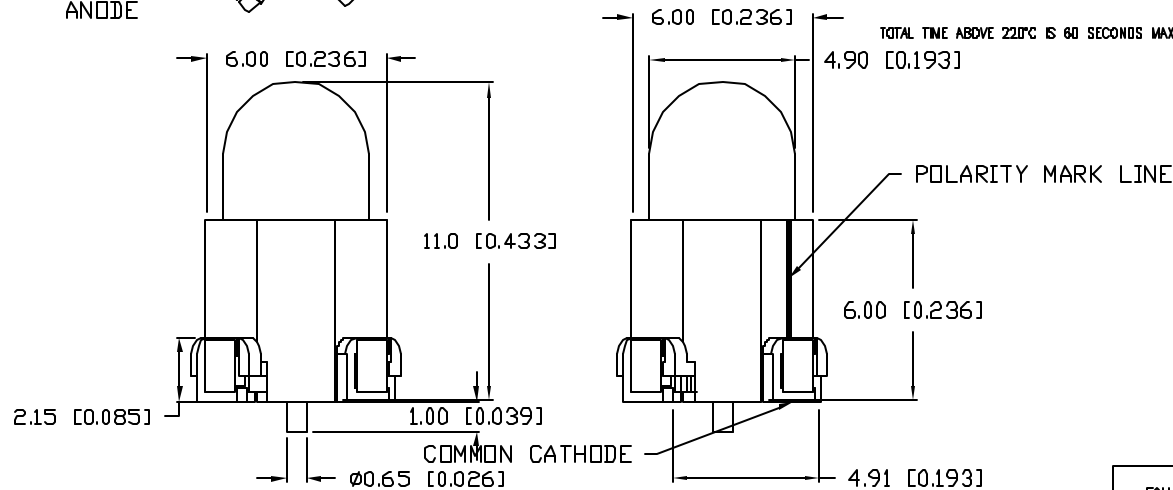
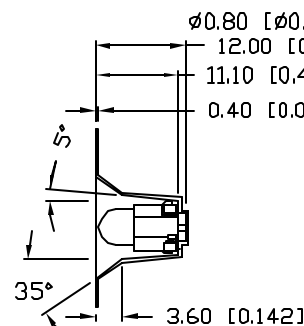


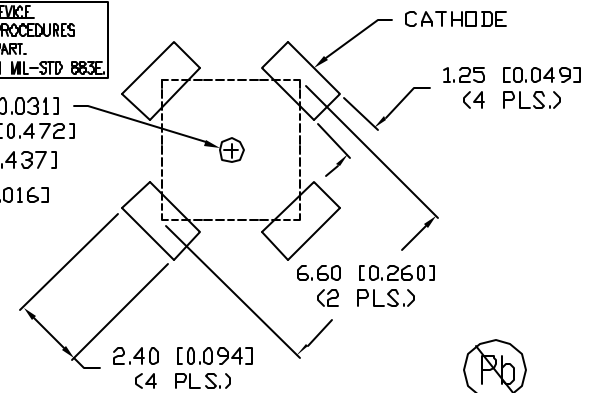
TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.
ESD CLASSIFICATION: CLASS II BASED ON MIL-STD 883C



RECOMMENDED PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	(R)		635 (RED)		nm	
	(B)		465 (BLUE)		nm	
	(G)		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	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/B/G)		1100/600/2200			mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60			2x theta	
EMITTED COLOR:	RED/BLUE/GREEN					
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED.					

LIMITS OF SAFE OPERATION AT 25°C PER DIE			
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 -0.00, MAX=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-H1505SIUGUBWTR

5mm SURFACE MOUNT DOMED LED,
RED/BLUE/GREEN, MILKY WHITE DIFFUSED.

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: 03.31.08

JN

PAGE: 1 OF 1

SCALE: N/A