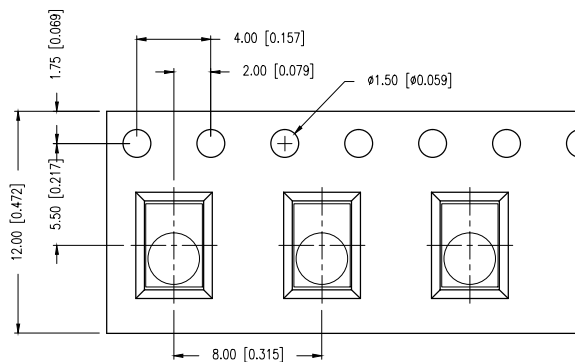
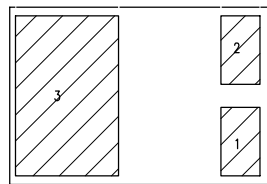
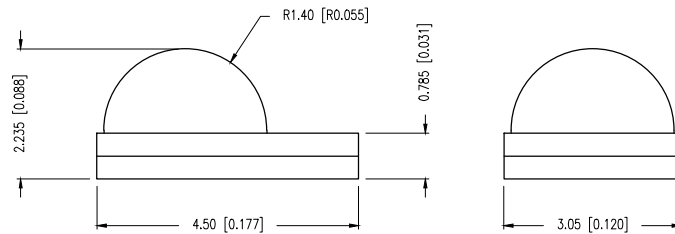
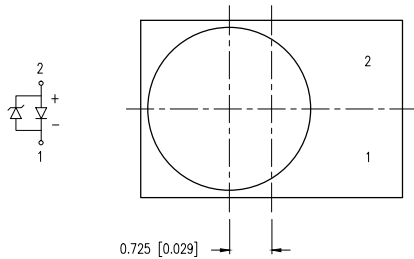
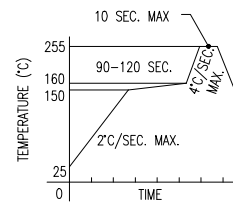




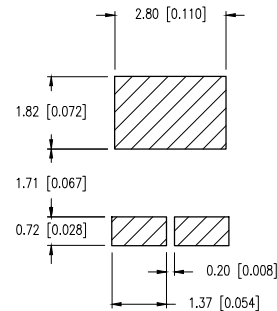
CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT

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

PARAMETER	SYMBOL	MIN.	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			-		nm	
FORWARD VOLTAGE	V_f	2.95		3.85	V_f	
REVERSE VOLTAGE	V_r	5.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY (*1)	I_v	33		52	mcd	$I_f = 20\text{mA}$
COLOR TEMPERATURE		2850	3500	4500		
VIEWING ANGLE			160		2x theta	
EMITTED COLOR:		WARM WHITE				
EPOXY LENS FINISH:		WATER CLEAR LENS				

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	2.0	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +100	°C
STORAGE TEMP.	-40 TO +100	°C

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

THERMAL PARAMETERS

PARAMETER	VALUE	UNITS
MAXIMUM JUNCTION TEMPERATURE	125	°C
THERMAL RESISTANCE JUNCTION-CASE	10	°C/W

*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.= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION

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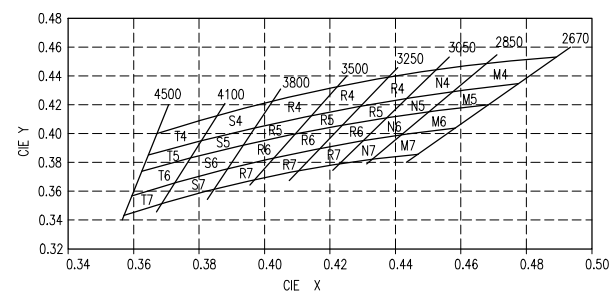
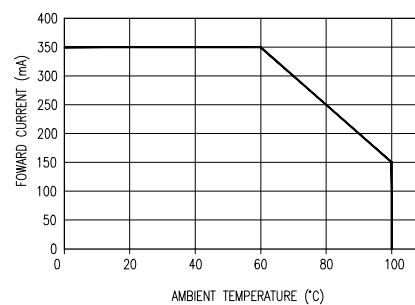
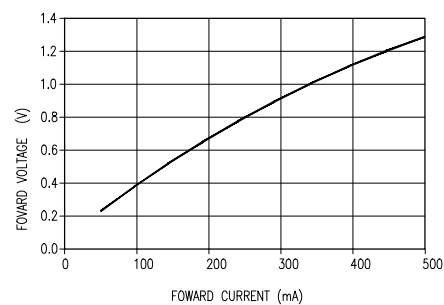
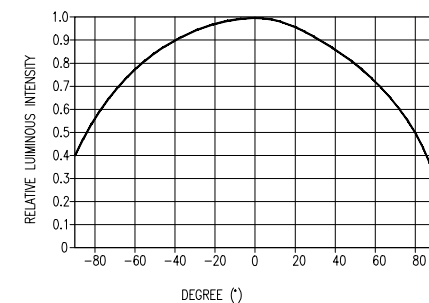
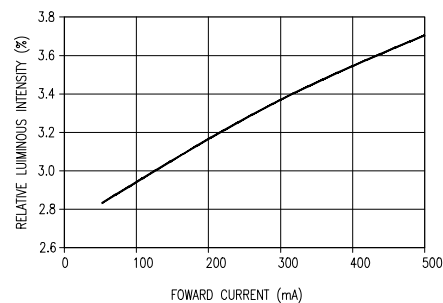
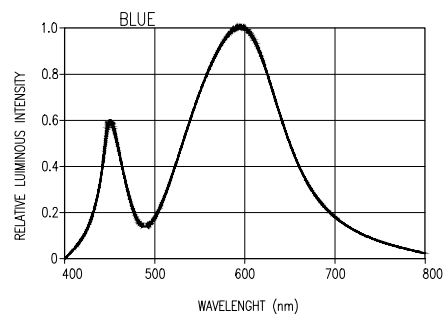
3mm X 4.5mm 1W SMT LED, WARM WHITE, TAPE AND REEL, WATER CLEAR LENS.

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

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