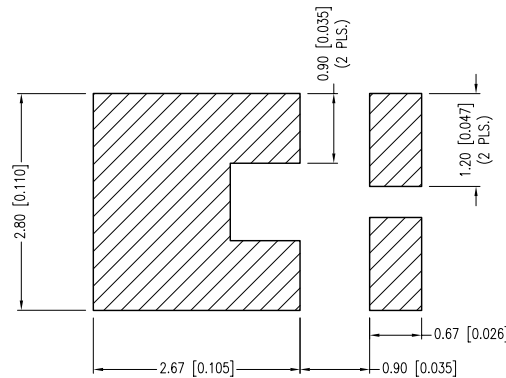


RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=350\text{mA}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH					nm	
FORWARD VOLTAGE	V_f	2.95			Vf	
REVERSE VOLTAGE	V_r	5.0			Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY*	I_v		70		lm	$I_f=350\text{mA}$
COLOR TEMPERATURE		2580	3000	3710	K	
VIEWING ANGLE			120		2x theta	

EMITTED COLOR: WHITE

EPOXY LENS FINISH: WATER CLEAR

*AXIAL INTENSITY TESTING CONDITION 550nm WAVELENGTH.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1000	mA
STEADY CURRENT	400	mA
POWER DISSIPATION	2.0	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +100	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +100	$^{\circ}\text{C}$

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

THERMAL PARAMETERS

PARAMETER	VALUE	UNITS
MAXIMUM JUNCTION TEMPERATURE	125	$^{\circ}\text{C}$
THERMAL RESISTANCE JUNCTION-CASE	10	$^{\circ}\text{C}/\text{W}$

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

*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.= $^{+0.00}_{-0.00}$ DECIMAL PRECISION MAX.= $^{+0.00}_{-0.00}$ DECIMAL PRECISION

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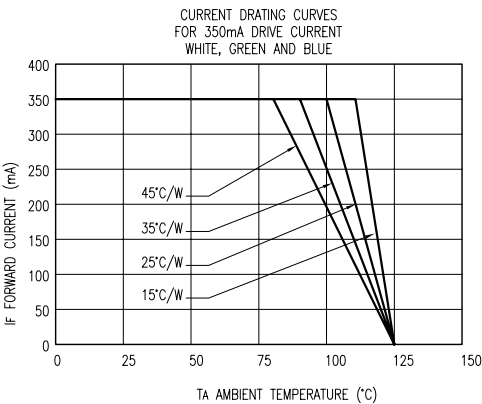
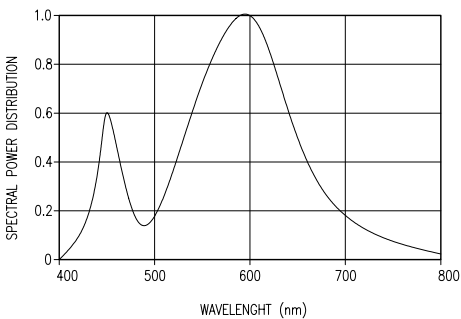
290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

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

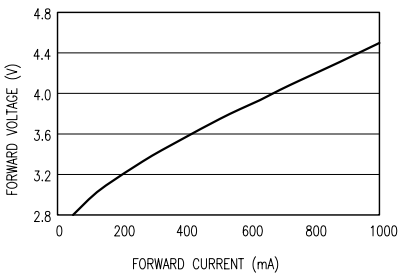
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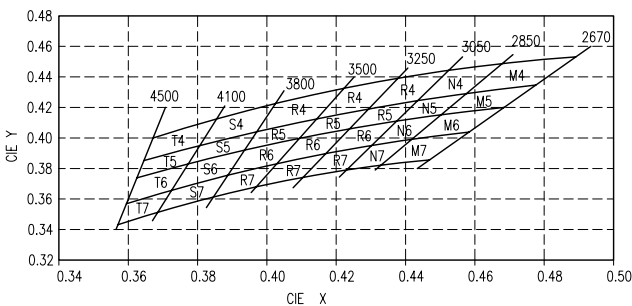
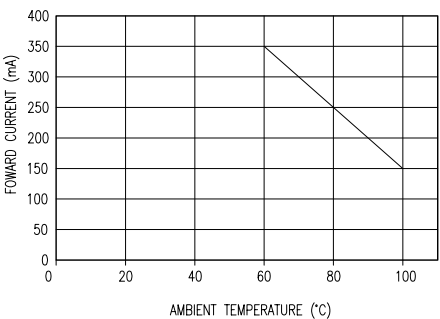
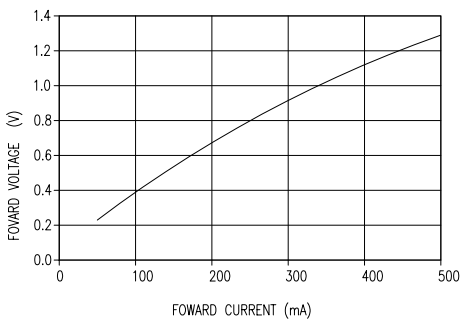
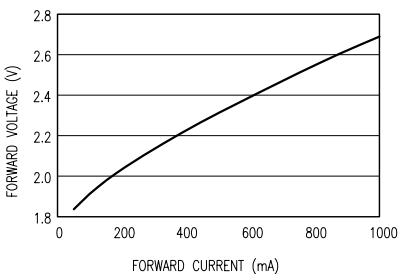
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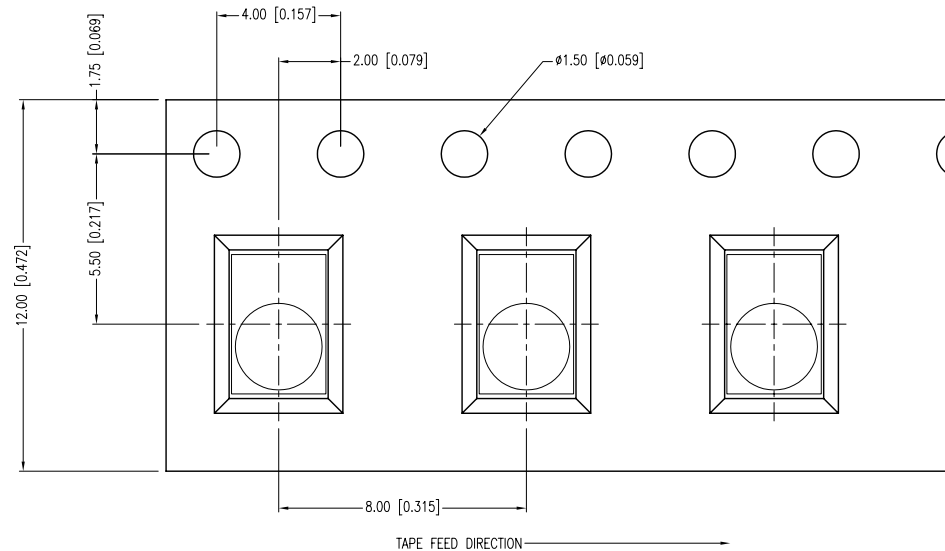
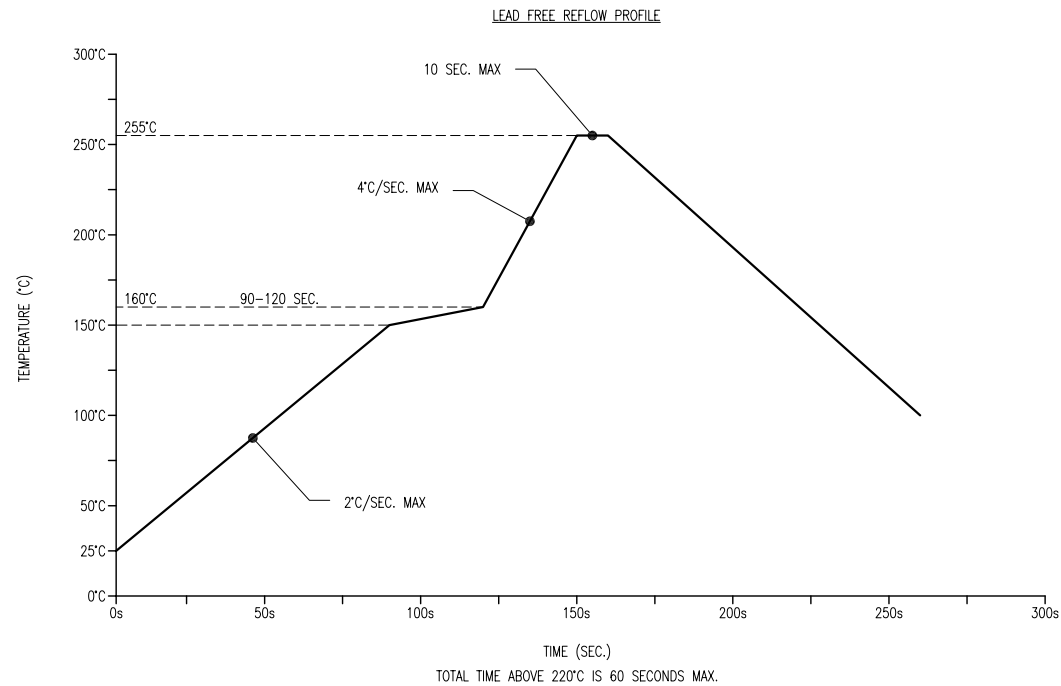


TYPICAL ELECTRICAL CHARACTERISTICS
FOR WHITE, GREEN AND BLUE AT THERMAL PAD TEMPERATURE =25°C



TYPICAL ELECTRICAL CHARACTERISTICS
FOR RED, ORANGE AND AMBER AT THERMAL PAD TEMPERATURE =25°C





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