ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $I_f=700\text{mA}$ 

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
DOM. WAVELENGTH		405	410	nm	
FORWARD VOLTAGE	3.4	3.6	3.8	V <sub>f</sub>	$I_f=700\text{mA}$
REVERSE VOLTAGE	5.0			V <sub>r</sub>	$I_r=100\mu\text{A}$
AXIAL INTENSITY	14	18	22	lm	$I_f=700\text{mA}$
VIEWING ANGLE		100		2x theta	
EMITTED COLOR:	UV PURPLE				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$ 

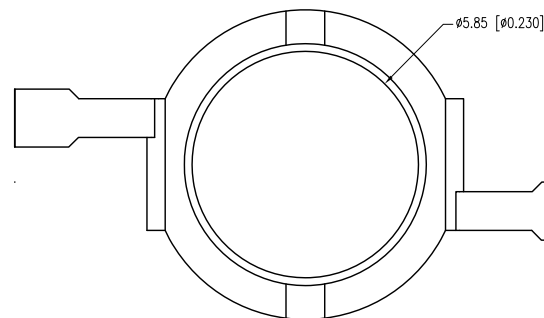
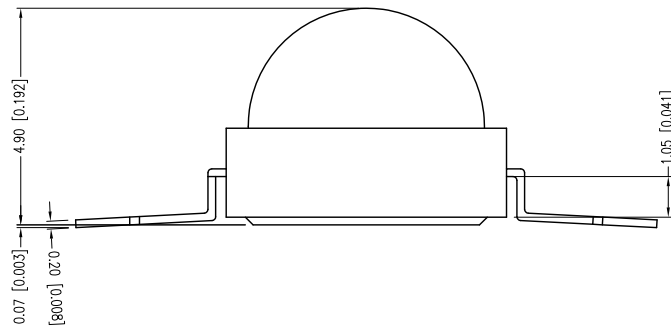
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	800	mA
STEADY CURRENT	700	mA
DERATE FROM $25^{\circ}\text{C}$	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-20 TO +75	$^{\circ}\text{C}$
STORAGE TEMP.	-30 TO +80	$^{\circ}\text{C}$

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

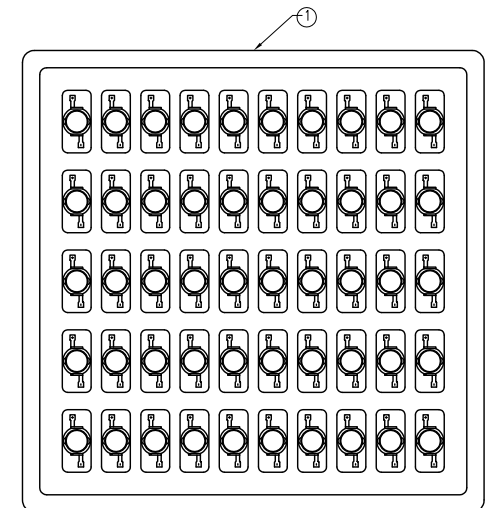
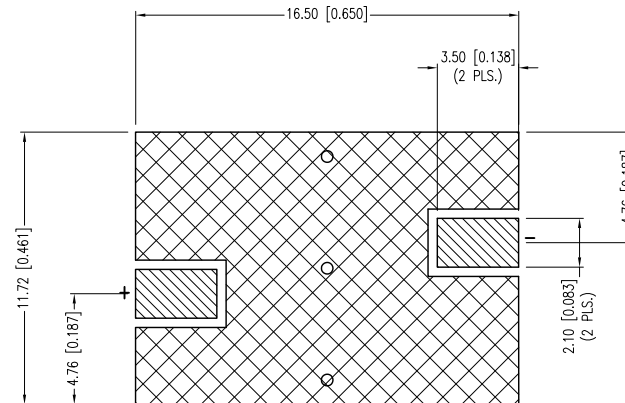
CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

## NOTES:

1. PACKAGING IN PLASTIC TRAY; 50 PIECES PER TRAY.

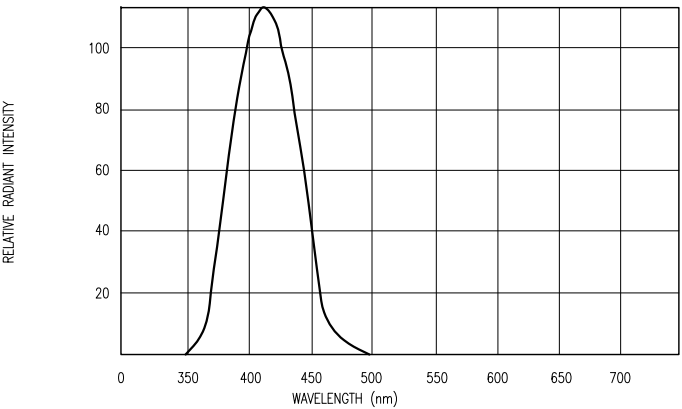


## LED SOLDER PAD LAYOUT

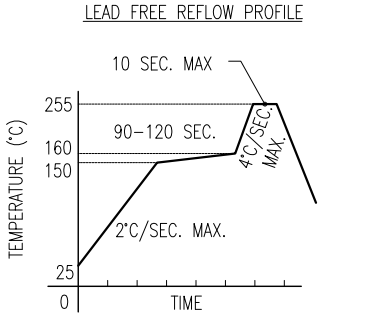


\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= -DECIMAL PRECISION

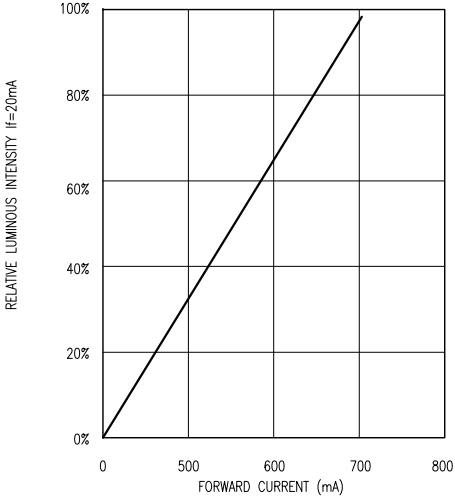
UNCONTROLLED DOCUMENT



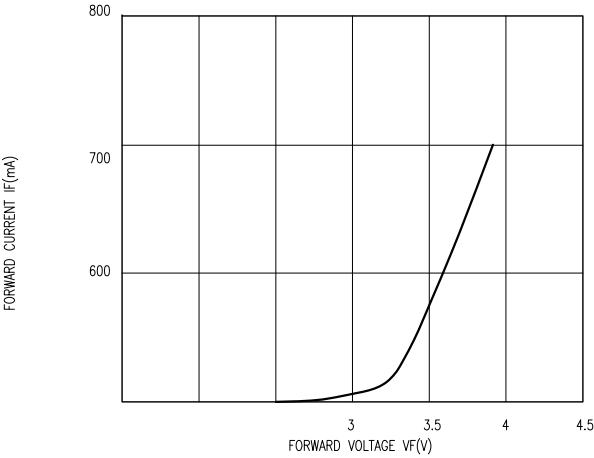
RELATIVE INTENSITY VS WAVELENGTH



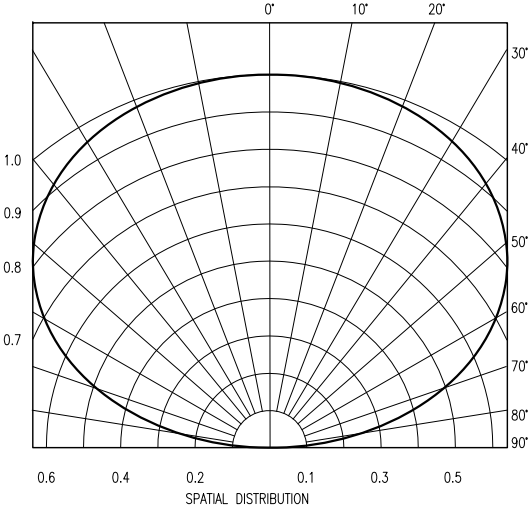
TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT



FORWARD CURRENT VS FORWARD VOLTAGE



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