

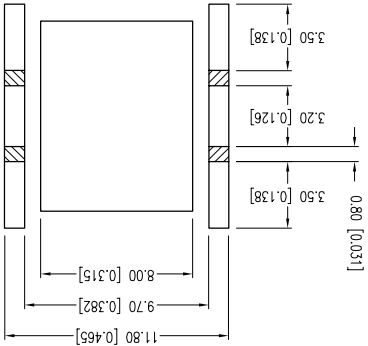
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12mm x 12mm SURFACE MOUNT LED, WARM WHITE.

DATE:	02.04.11	UNIT:	mm [INCH]
DRAWN BY:	AB	SCALE:	APRVD BY: BC
CHKD BY:	KF	PAGE:	1 OF 4

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RECOMMENDED SOLDER PAD LAYOUT

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 2 STANDARDS

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

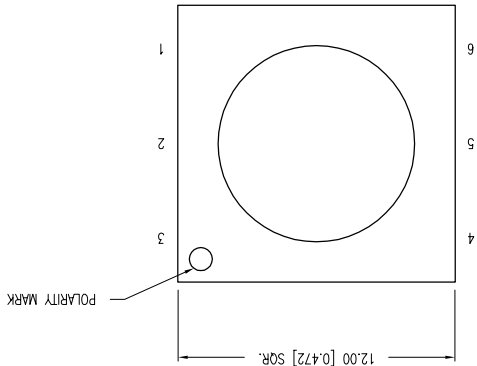
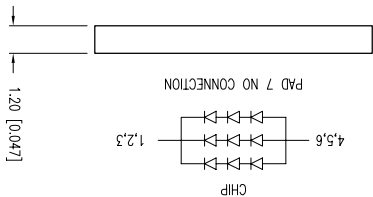
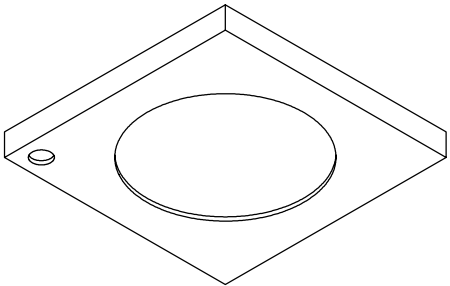
PARAMETER	UNITS	MAX
JUNCTION TEMPERATURE	°C	110
THERMAL RESISTANCE (JUNCTION/SOLDER)	°C/W	3.5
TEMPERATURE COEFFICIENT OF $V_f$	mV/°C	-5.6

PARAMETER	UNITS	MAX
PEAK FORWARD CURRENT	mA	1200
STEADY CURRENT	mA	1000
POWER DISSIPATION	mW	11.5
OPERATING TEMP.	°C	-40 TO +90
STORAGE TEMP.	°C	-40 TO +100

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE	$V_f$	9.3	10.4	11.5	V	$I_f=1000\text{mA}$
REVERSE VOLTAGE	$V_r$	15			V	$I_r=10\mu\text{A}$
LUMINOUS FLUX	$I_v$	430	530		lm	$I_f=1000\text{mA}$
COLOR TEMPERATURE		2870	3000	3220	K	
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:						WARM WHITE
EPOXY LENS FINISH:						WATER CLEAR LENS

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$ ,  $I_f=1000\text{mA}$



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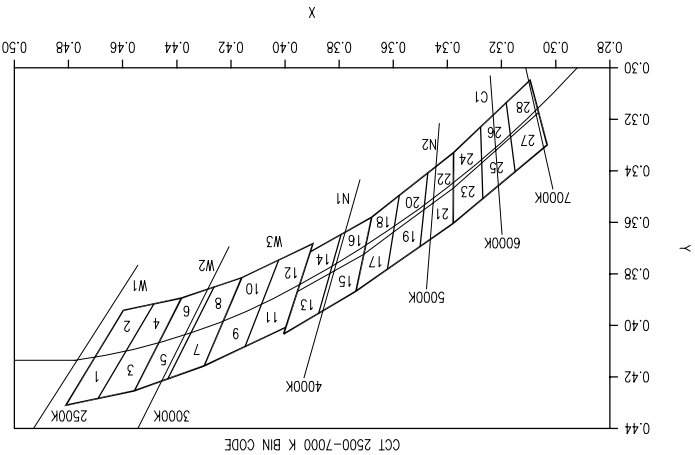
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5	0.4465 0.4071	0.4562 0.4260	0.4430 0.4212	0.4342 0.4028	0.4017 0.3751	0.4147 0.3814	0.3825 0.3798	0.3568 0.3495	0.3265 0.3371
4	0.4483 0.3919	0.4582 0.4099	0.4465 0.4071	0.4373 0.3893	0.4080 0.3916	0.4146 0.4089	0.3783 0.3646	0.3592 0.3641	0.3260 0.3512
3	0.4582 0.4099	0.4687 0.4289	0.4465 0.4071	0.4582 0.4099	0.4221 0.3984	0.4342 0.4028	0.4006 0.4044	0.3568 0.3495	0.3265 0.3371
2	0.4593 0.3944	0.4700 0.4126	0.4430 0.4212	0.4593 0.3944	0.4342 0.4028	0.4430 0.4212	0.4017 0.3751	0.3703 0.3726	0.3466 0.3411
1	0.4582 0.4099	0.4700 0.4126	0.4430 0.4212	0.4582 0.4099	0.4221 0.3984	0.4342 0.4028	0.4080 0.3916	0.3783 0.3646	0.3592 0.3641

COLOR	GROUP	CHROMATICITY REGIONS	MIN. TYP. MAX.
COOL WHITE	C1	23,24,25,26,27,28	5310 6000 7040
WARM WHITE	N2	17,18,19,20,21,22	4260 4700 5310
WARM WHITE	N1	13,14,15,16	3710 4000 4260
WARM WHITE	W3	9,10,11,12	3220 3500 3710
WARM WHITE	W2	5,6,7,8	2870 3000 3220
WARM WHITE	W1	1,2,3,4	2580 2700 2870



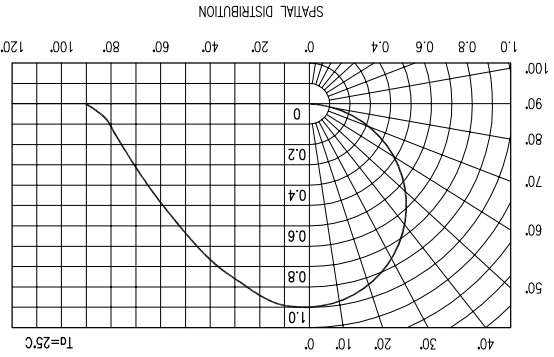
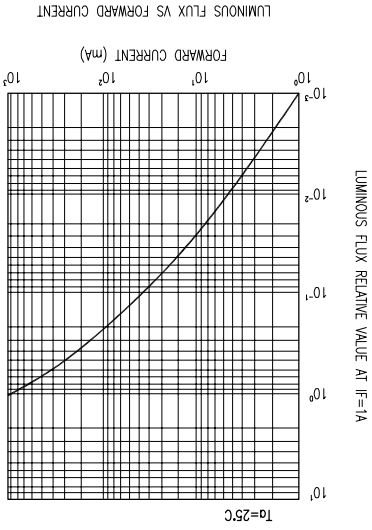
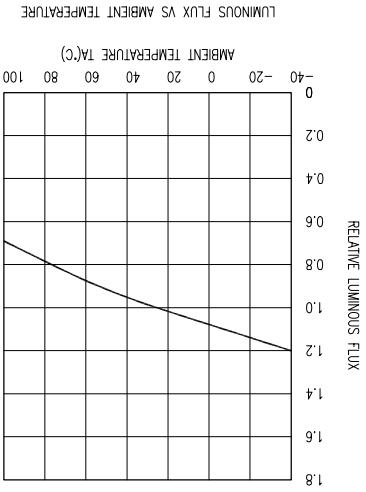
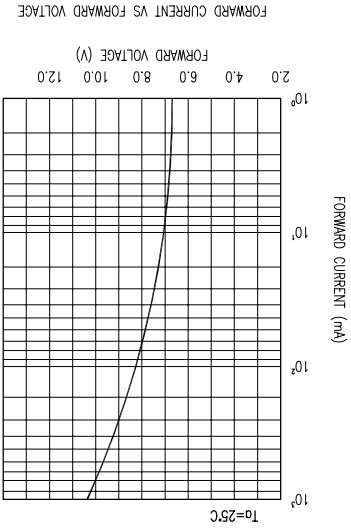
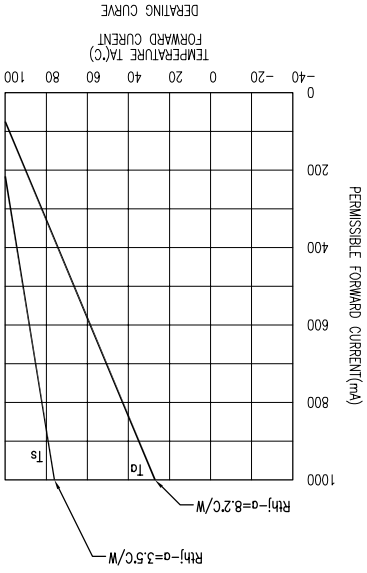
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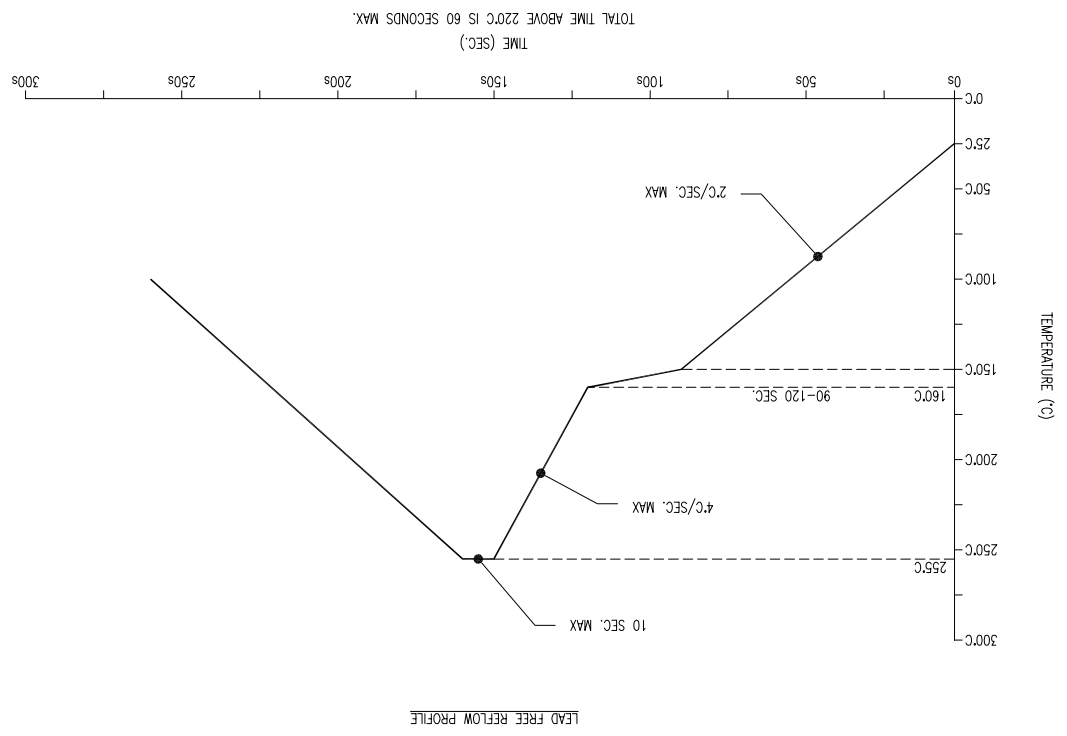
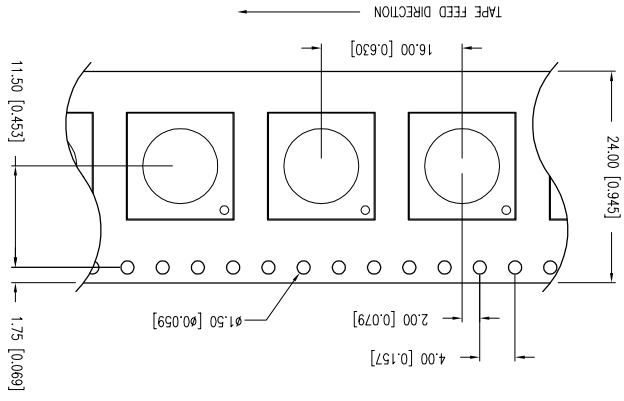
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