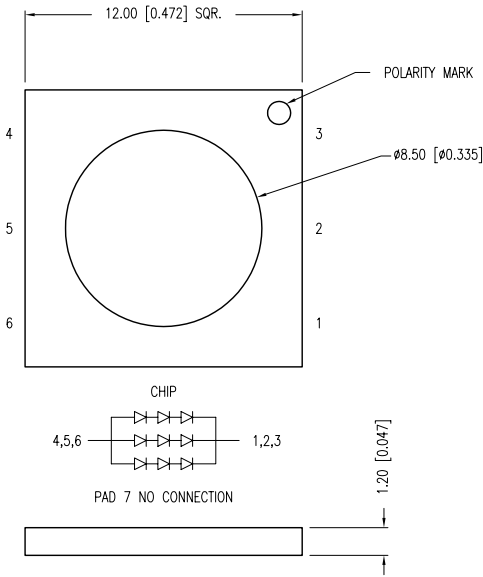


ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C I _f =1000mA					
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS TEST COND
FORWARD VOLTAGE	V _f	9.3	10.4	11.5	V I _f =1000mA
REVERSE VOLTAGE	V _r			15	V I _r =30uA
LUMINOUS FLUX	I _v	450	530		lm I _f =1000mA
COLOR TEMPERATURE		2870	3000	3220	*K
VIEWING ANGLE			120		2x theta
CRI			83		
EMITTED COLOR:	WARM WHITE				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
DC FORWARD CURRENT*	1000	mA
PEAK FORWARD CURRENT**	1200	mA
POWER DISSIPATION	11.5	W
OPERATING TEMP.	-40 TO +100	°C
STORAGE TEMP.	-40 TO +110	°C

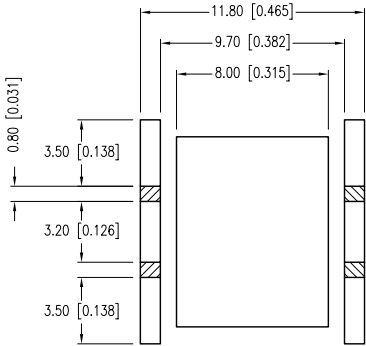
*MOUNTING ON METAL CORE PCB
**0.1ms PULSE WIDTH, 1/10 DUTY CYCLE

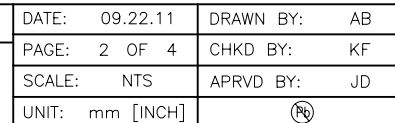
THERMAL PARAMETERS		
PARAMETER	MAX	UNITS
JUNCTION TEMPERATURE	110	°C
THERMAL RESISTANCE (JUNCTION/SOLDER)	2.7	°C/W
THERMAL RESISTANCE (JUNCTION/AMBIENT)	13.5	°C/W
TEMPERATURE COEFFICIENT OF V _f	-5.6	mV/°C

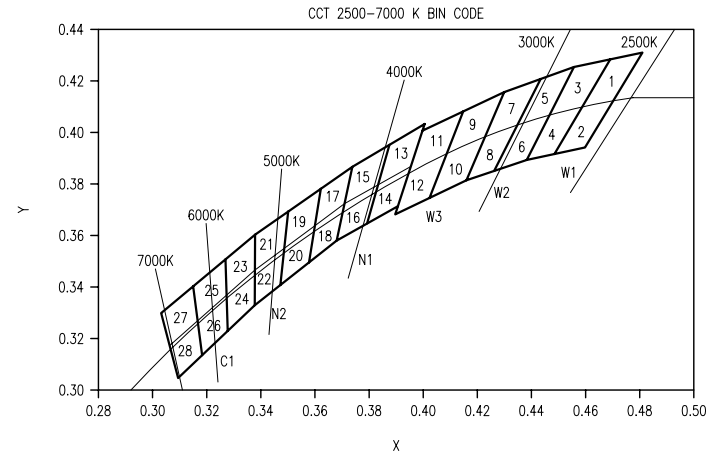
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2a STANDARDS

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

RECOMMENDED SOLDER PAD LAYOUT

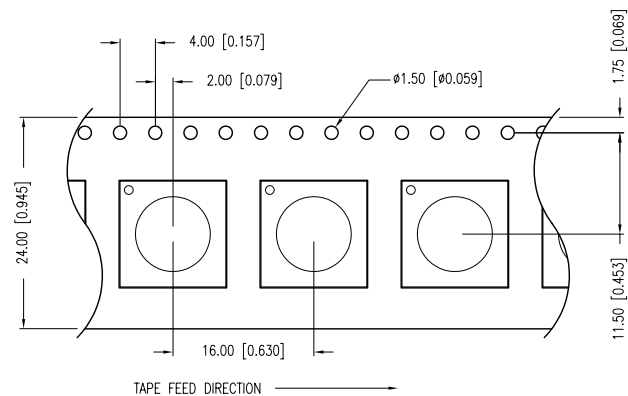
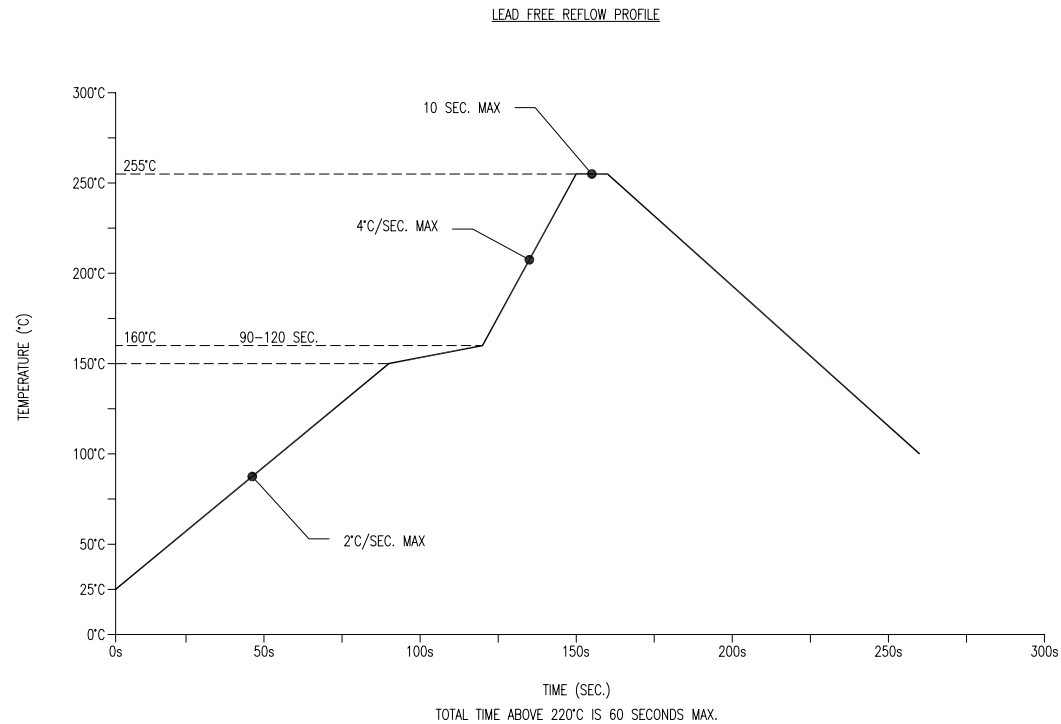






COLOR	GROUP	CHROMATICITY REGIONS	MIN.	TYP.	MAX.
WARM WHITE	W1	1,2,3,4	2580	2700	2870
	W2	5,6,7,8	2870	3000	3220
	W3	9,10,11,12	3220	3500	3710
WARM WHITE	N1	13,14,15,16	3710	4000	4260
	N2	17,18,19,20,21,22	4260	4700	5310
COOL WHITE	C1	23,24,25,26,27,28	5310	6000	7040

X		Y	X		Y	X		Y	X		Y	X		Y	X		Y
1	0.4582	0.4099	6	0.4259	0.3853	11	0.3941	0.3848	16	0.3670	0.3578	21	0.3496	0.3702	26	0.3265	0.337
	0.4687	0.4289		0.4342	0.4028		0.3996	0.4015		0.3702	0.3722		0.3376	0.3616		0.3160	0.3274
	0.4813	0.4319		0.4465	0.4071		0.4146	0.4089		0.3825	0.3798		0.3370	0.3472		0.3175	0.3139
	0.4700	0.4126		0.4373	0.3893		0.4080	0.3916		0.3783	0.3646		0.3481	0.3557		0.3270	0.3230
2	0.4483	0.3919	7	0.4221	0.3984	12	0.3889	0.3690	17	0.3736	0.3874	22	0.3481	0.3557	27	0.3144	0.3408
	0.4582	0.4099		0.4299	0.4165		0.3941	0.3848		0.3616	0.3788		0.3370	0.3472		0.3028	0.3304
	0.4700	0.4126		0.4430	0.4212		0.4080	0.3916		0.3592	0.3641		0.3364	0.3328		0.3055	0.3171
	0.4593	0.3944		0.4342	0.4028		0.4017	0.3751		0.3703	0.3726		0.3466	0.3411		0.3160	0.3274
3	0.4465	0.4071	8	0.4147	0.3814	13	0.3825	0.3798	18	0.3703	0.3726	23	0.3376	0.3616	28	0.3160	0.3274
	0.4562	0.4260		0.4221	0.3984		0.3869	0.3959		0.3592	0.3641		0.3260	0.3512		0.3055	0.3171
	0.4687	0.4289		0.4342	0.4028		0.4006	0.4044		0.3568	0.3495		0.3265	0.3371		0.3081	0.3049
	0.4582	0.4099		0.4259	0.3853		0.3950	0.3875		0.3670	0.3578		0.3370	0.3472		0.3175	0.3139
4	0.4373	0.3893	9	0.4080	0.3916	14	0.3783	0.3646	19	0.3616	0.3788	24	0.3370	0.3472			
	0.4465	0.4071		0.4146	0.4089		0.3825	0.3798		0.3496	0.3702		0.3265	0.3371			
	0.4582	0.4099		0.4299	0.4165		0.3950	0.3875		0.3481	0.3557		0.3270	0.3230			
	0.4483	0.3919		0.4221	0.3984		0.3898	0.3716		0.3592	0.3641		0.3364	0.3328			
5	0.4342	0.4028	10	0.4017	0.3751	15	0.3702	0.3722	20	0.3592	0.3641	25	0.3260	0.3512			
	0.4430	0.4212		0.4080	0.3916		0.3736	0.3874		0.3481	0.3557		0.3144	0.3408			
	0.4562	0.4260		0.4221	0.3984		0.3869	0.3958		0.3466	0.3411		0.3160	0.3274			
	0.4465	0.4071		0.4147	0.3814		0.3825	0.3798		0.3568	0.3495		0.3265	0.3371			



*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}

UNCONTROLLED DOCUMENT



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

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

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