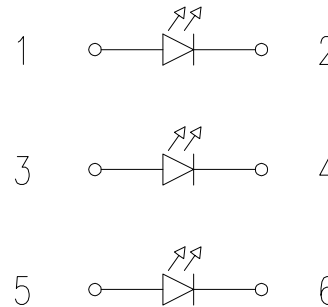
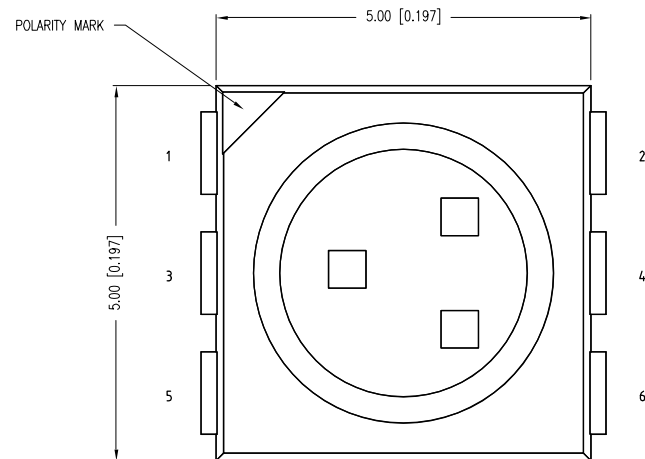




ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$				$I_f=20\text{mA}$		PER LED
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND	
PEAK WAVELENGTH		—		nm		
FORWARD VOLTAGE		3.3	3.95	V_f		
REVERSE VOLTAGE	5.0			V_r	$V_r=0.15\text{mA}$	
LUMINOUS INTENSITY(*)	2250		4500	cd/m^2	$I_f=20\text{mA}$	
VIEWING ANGLE		120		$2 \times \theta$		
EMITTED COLOR:	EMITC					
EPOXY LENS FINISH:	EPOXY					

* LUMINOUS INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

** THE ICI STANDARD COLORIMETRIC SYSTEM.

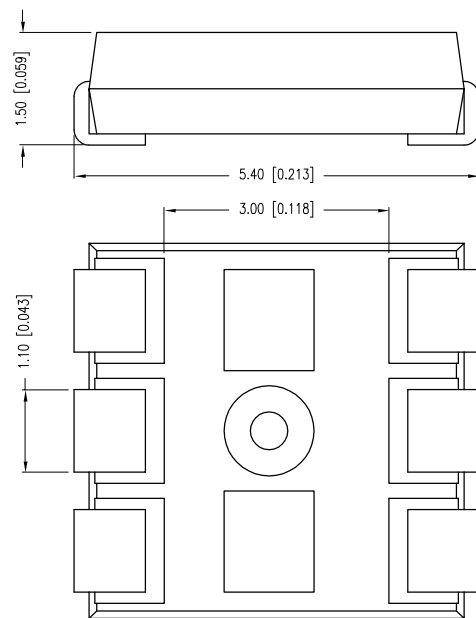
WHEN ALL 3 DIE ARE OPERATED SIMULTANEOUSLY

LIMITS OF SAFE OPERATION AT 25°C

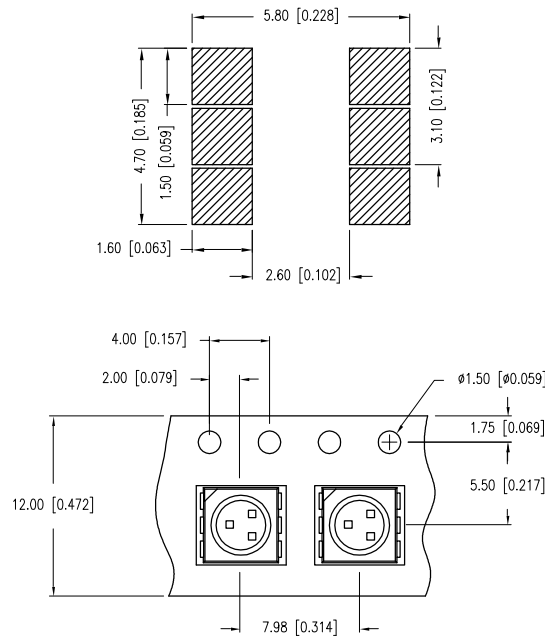
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	120	mW
ELECTROSTATIC DISCHARGE (HBM)	1000	V
DERATE FROM 25°C	-1.2	$\text{mW}/^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0MMFROMBODY	3	SEC. MAX

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

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



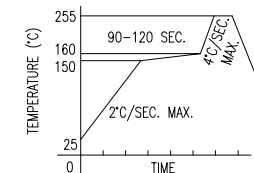
RECOMMENDED SOLDER PAD LAYOUT



TAPE FEED DIRECTION →

LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*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.= +0.00 -DECIMAL PRECISION

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FAX: +1.847.359.6538
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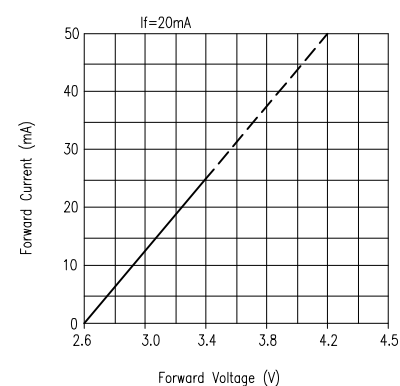
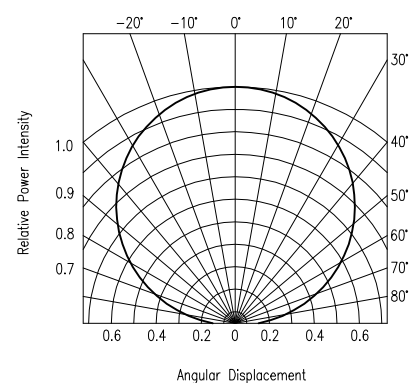
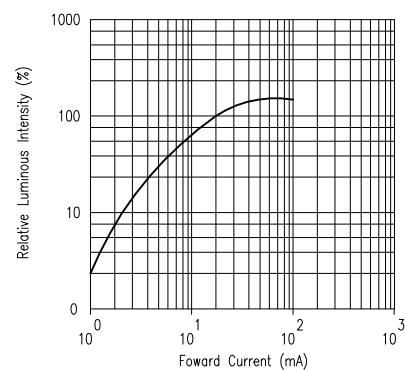
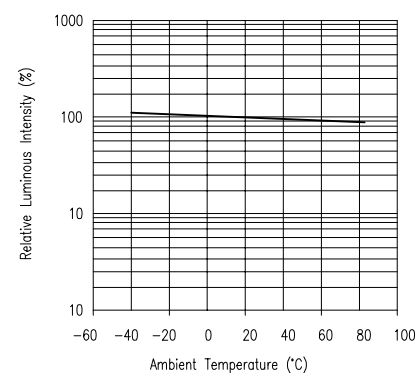
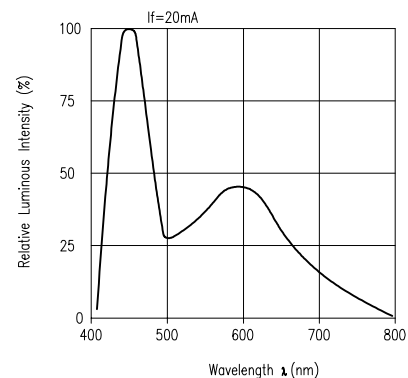
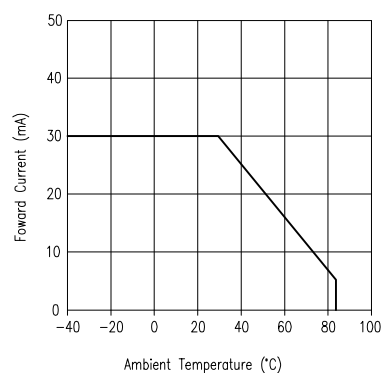
5.0mm x 5.0mm SURFACE MOUNT LED WITH REFLECTOR, ULTRA PURE WHITE LED, WATER CLEAR LENS.

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

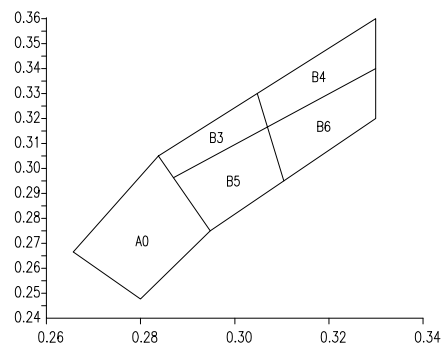
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DATE:	03.17.10	DRAWN BY:	JN
PAGE:	1 OF 2	CHKD BY:	KF
SCALE:	N/A	APRVD BY:	YA
UNIT:	mm [INCH]		(P)

UNCONTROLLED DOCUMENT



GROUP	BIN CODE	CIE X	CIE Y	BIN CODE	CIE X	CIE Y
E	A0	0.280	0.248	B6	0.311	0.294
		0.264	0.267		0.307	0.315
		0.283	0.305		0.330	0.339
		0.296	0.276		0.330	0.318
	B3	0.287	0.295	B4	0.307	0.315
		0.283	0.305		0.304	0.330
		0.304	0.330		0.330	0.360
		0.307	0.315		0.330	0.339
	B5	0.296	0.276			
		0.287	0.295			
		0.307	0.315			
		0.311	0.294			



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