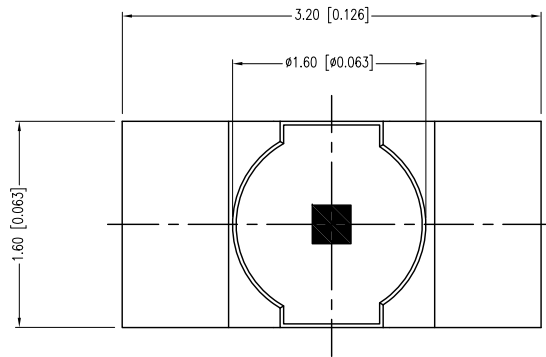


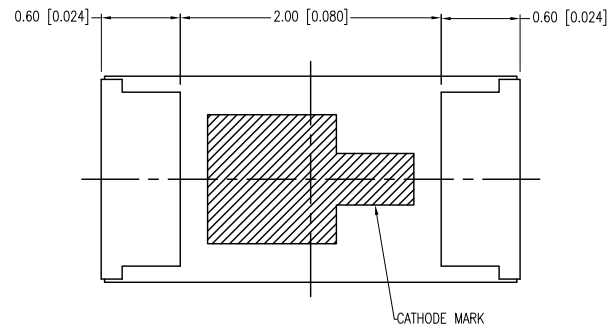
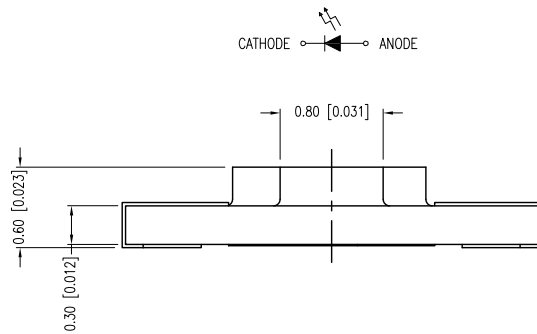
ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH				nm	
FORWARD VOLTAGE	2.70		3.15	Vf	If=5mA
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
LUMINOUS INTENSITY	45		112	mcd	If=5mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	COLOR				
LENS FINISH:	WATER CLEAR				

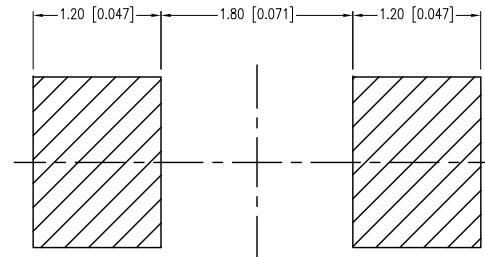
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	95	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +90	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

* t<10μS



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

UNCONTROLLED DOCUMENT

BIN RANGE OF LUMINOUS INTENSITY & FORWARD VOLTAGE

SYMBOL	BIN CODE	MIN.	MAX.	UNIT	CONDITION
IV	P1	45.0	57.0	mcd	IF=5mA
	P2	57.0	72.0		
	Q1	72.0	90.0		
	Q2	90.0	112		
VF	15	2.70	2.85	V	
	16	2.85	3.00		
	17	3.00	3.15		

NOTES:
1. TOLERANCE OF LUMINOUS INTENSITY: ±11%.
2. TOLERANCE OF FORWARD VOLTAGE: ±0.1V.

CHROMATICALLY COORDINATES SPECIFICATIONS FOR BIN GRADING

GROUP	BIN CODE	CIE_x	CIE_y	CONDITION
A	1	0.274	0.226	If=5mA
		0.274	0.258	
		0.294	0.286	
		0.294	0.254	
	2	0.274	0.258	
		0.274	0.291	
		0.294	0.319	
		0.294	0.286	
	3	0.294	0.254	
		0.294	0.286	
		0.314	0.315	
		0.314	0.282	
	4	0.294	0.286	
		0.294	0.319	
		0.314	0.347	
		0.314	0.315	
	5	0.314	0.282	
		0.314	0.315	
		0.334	0.343	
		0.334	0.311	
	6	0.314	0.315	
		0.314	0.347	
		0.334	0.376	
		0.334	0.343	

NOTES:
1. THE C.I.E. 1931 CHROMATICALLY DIAGRAM TOLERANCE: ±0.01%.

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