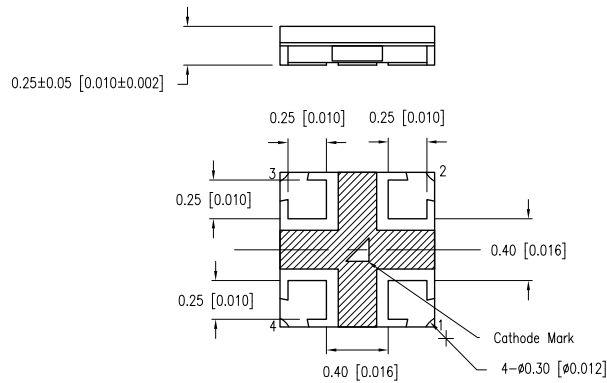
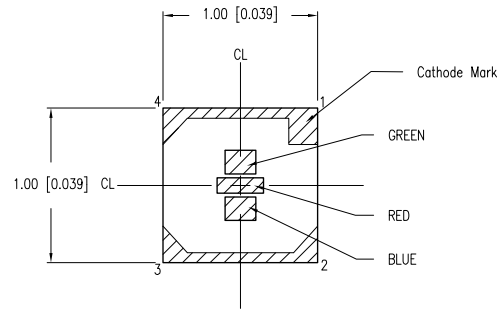
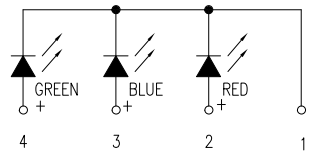




Polarity

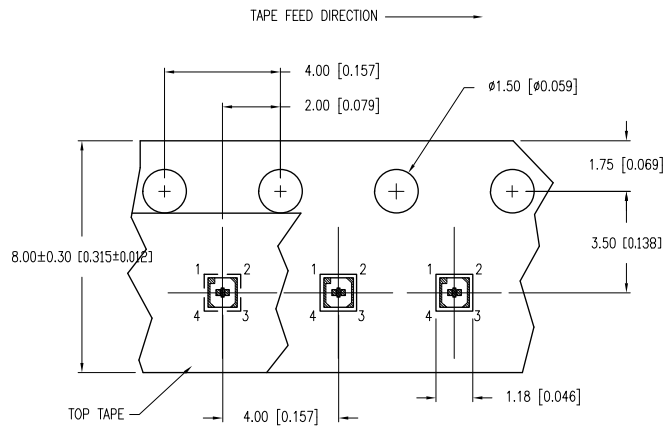
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=5\text{mA}$

PARAMETER	RED	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	632	518	468	nm	
FORWARD VOLTAGE MIN	1.7	2.7	2.7	V _f	
FORWARD VOLTAGE MAX	2.2	3.2	3.2	V _f	
REVERSE CURRENT MAX	10	50	50	μA	V _r = 5V
AXIAL INTENSITY MIN	72	57	28.5	mcd	I _f = 5mA
AXIAL INTENSITY MAX	140	112	57	mcd	
VIEWING ANGLE	130	130	130	2x theta	
EMITTED COLOR:	RED/GREEN/BLUE				
EPOXY LENS FINISH:	WHITE DIFFUSED				

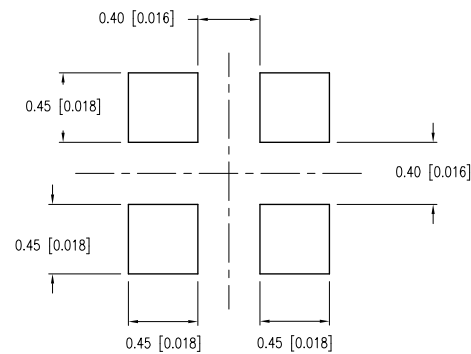
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/B)	60/100/100	mA
STEADY CURRENT (R/G/B)	25/25/25	mA
POWER DISSIPATION (R/G/B)	60/95/95	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

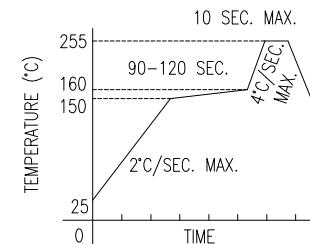
*DUTY 1/10 @ 1KHz

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

RECOMMENDED SOLDER PAD LAYOUT



LEAD FREE REFLOW PROFILE



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 -0.00 MAX.= +0.00 -DECIMAL PRECISION