



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



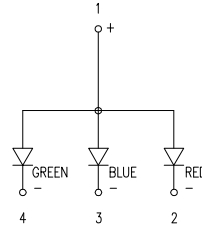
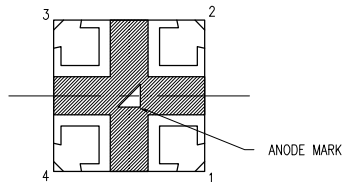
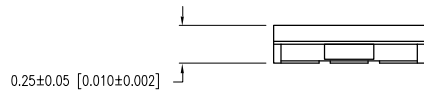
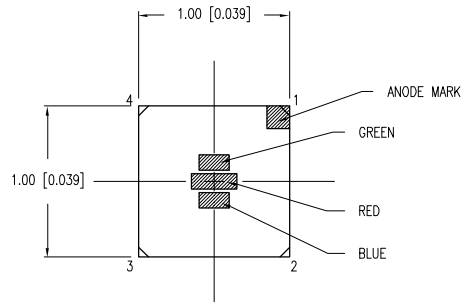
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ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=2\text{mA}$					
PARAMETER	RED	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	632	518	465	nm	
FORWARD VOLTAGE MIN	1.75	2.75	2.60	V_f	
FORWARD VOLTAGE MAX	2.15	2.95	2.85	V_f	
REVERSE CURRENT MAX	10	50	50	μA	$V_r = 5\text{V}$
AXIAL INTENSITY	30	40	20	mcd	$I_f = 2\text{mA}$
VIEWING ANGLE	120	120	120	$2x \theta$	
EMITTED COLOR:	RED/GREEN/BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

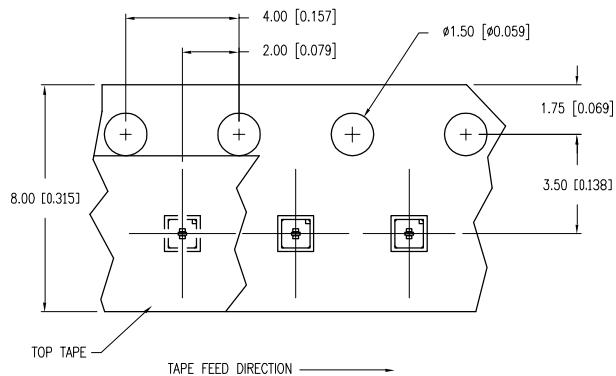
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/B)	60/100/20	mA
STEADY CURRENT (R/G/B)	30/25/10	mA
POWER DISSIPATION (R/G/B)	60/95/30	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

*DUTY 1/10 @ 1KHz

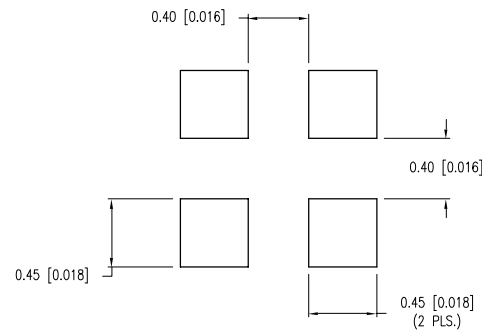
NOTES:

1. THE ANODE IS ORIENTED AWAY FROM THE TAPE SPROCKET HOLE.

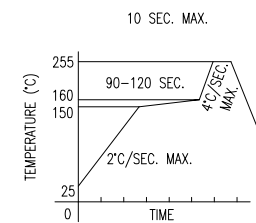
CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 4 STANDARDS



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 UNCONTROLLED DOCUMENT



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1.0mm x 1.0mm P.C.B. SML, FULL COLOR, WATER CLEAR LENS, TAPE AND REEL.

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

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DATE: 06.02.10	DRAWN BY: JH
PAGE: 1 OF 1	CHKD BY: KF
SCALE: N/A	APRVD BY: JD
UNIT: mm [INCH]	(R)