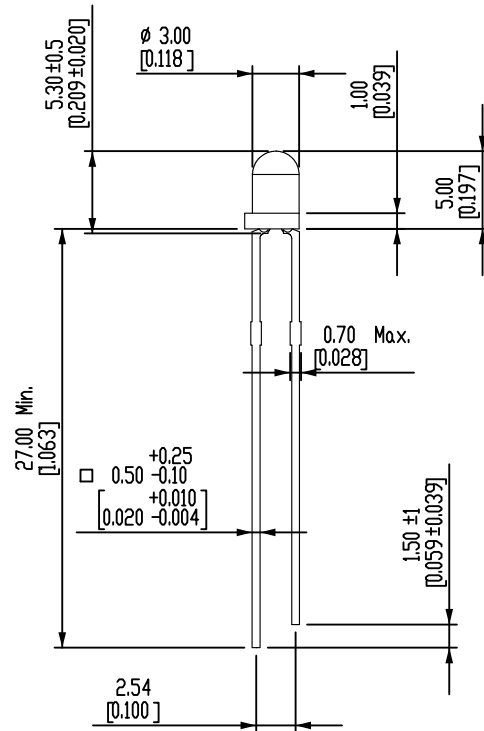
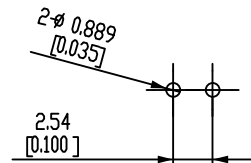
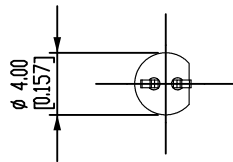


RECOMMENDED PCB LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T = 25^{\circ}\text{C}$ $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		1.95	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100 μ A
AXIAL INTENSITY	10		20	mcd	I _f =10mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	Yellow Diffused				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	140	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	75	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

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

Intensity bin code	(mcd)	Color bin code	(nm)
Q	10~15	2#	584~586
R	15~20	3#	586~588
		4#	588~590
		5#	590~592
		6#	592~594

 $I_f = 10\text{mA}$

*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=±0.1 (±0.004), LEAD LENGTH=±0.75 (±0.030). MIN=

+DECIMAL PRECISION
-0.00 MAX.= +0.00
-DECIMAL PRECISION

T=3mm (T-1) 590nm YELLOW LED, YELLOW DIFFUSED LENS, BIN Q & R ONLY

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

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DATE: 16.03.16

DRAWN BY: Sam

PAGE: 1 OF 1

CHKD BY: Ray

SCALE: NTS

APRVD BY: G.Y.

UNIT: mm [INCH]

