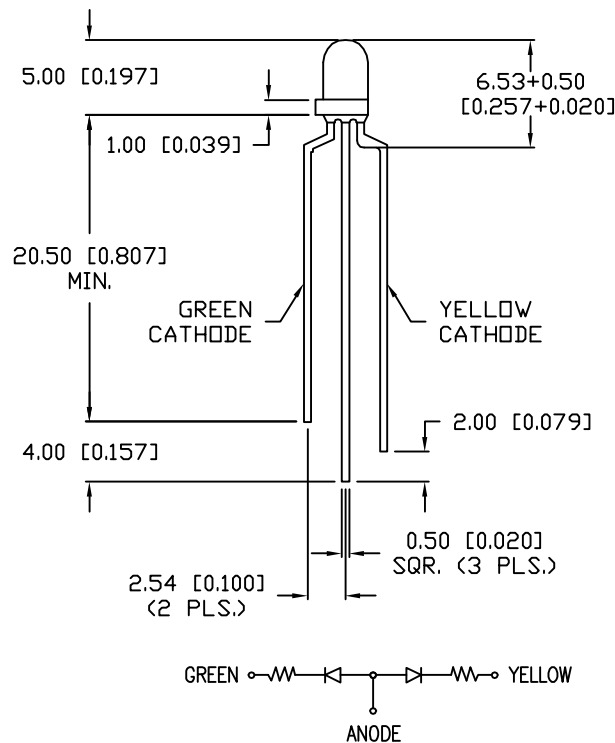


SSL-LX3059SYUPGA12

PRELIMINARY IN P/N DIR

$\phi 4.00$ [$\phi 0.157$]
 
 $\phi 3.00$ [$\phi 0.118$]

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



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $V_f=12\text{V}$				
PARAMETER	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH		590 (YELLOW)		nm
		525 (GREEN)		nm
FORWARD VOLTAGE		12.0	14.0	V_f
REVERSE VOLTAGE	5.0			V_r
AXIAL INTENSITY (Y/G)		500/700		mcd
VIEWING ANGLE		60		2x theta
EMITTED COLOR:	YELLOW/GREEN			
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
FORWARD VOLTAGE		14	V
STEADY CURRENT	(Y/G)	9/8	mA
POWER DISSIPATION		170	mW
DERATE FROM 25°C		-1.6	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX



UNCONTROLLED DOCUMENT

*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 -0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSL-LX3059SYUPGA12

T-3mm TRI-LEADED LED, BICOLOR LED,
AlInGaP YELLOW / InGaN GREEN,
COMMON CATHODE, MILKY WHITE DIFFUSED LENS.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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PAGE: 1 OF 1

SCALE: N/A