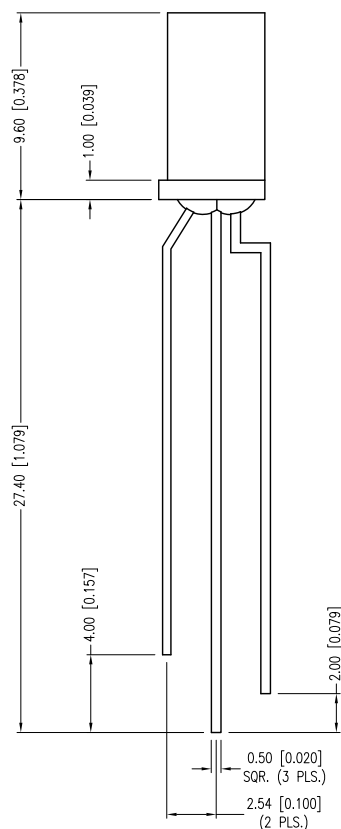
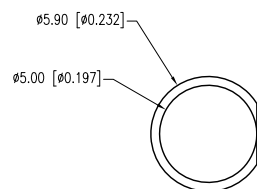


PART NUMBER	SSL-LX50FT19HGW	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.09.13	E.C.N. #10BRDR. & REDRAWN.		A

[A]

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/G)		695/565		nm	
FORWARD VOLTAGE		2.1	2.8	Vf	
REVERSE VOLTAGE	5.0			Ir	Ir=50μA
AXIAL INTENSITY (R/G)		8/5		mcd	If=20mA
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	RED/GREEN				
LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION (R/G)	120/105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

* t<10μs

NOTES:

1. RED ANODE.
2. COMMON CATHODE.
3. GREEN ANODE.

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.

*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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T-5 (T-1 3/4) FLAT TOP FLANGED LED, RED/GREEN.

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

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DATE:	12.09.13	DRAWN BY:	MA
PAGE:	1 OF 1	CHKD BY:	AA
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		Ⓟ