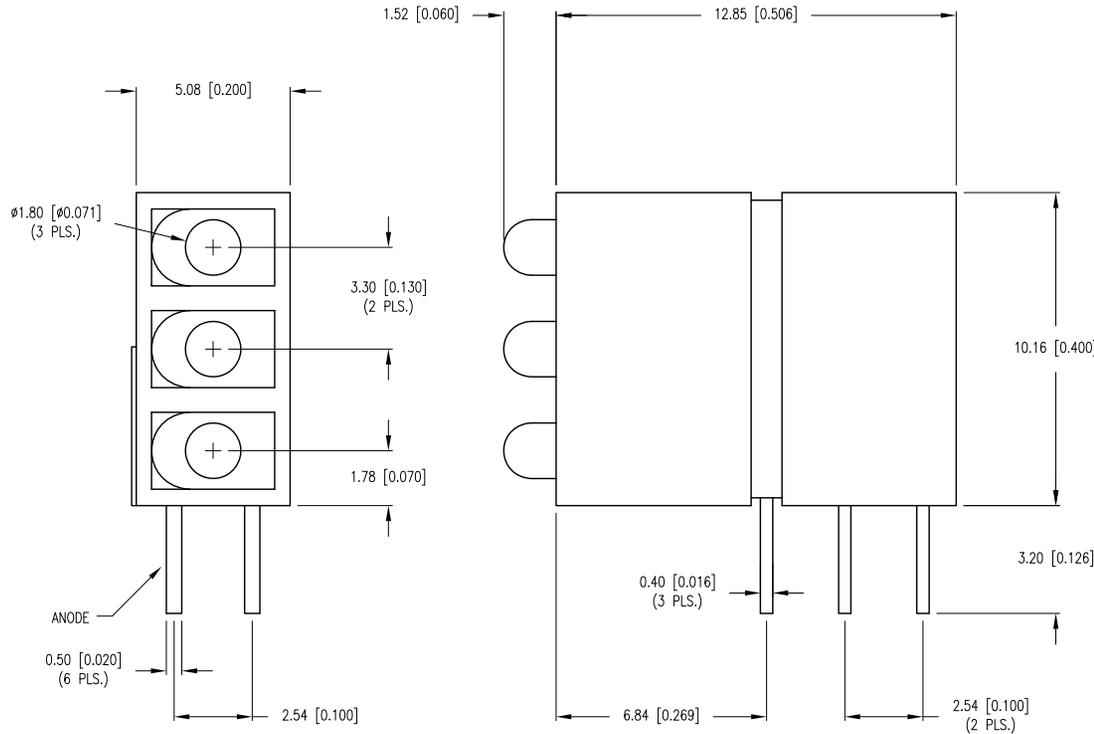


PART NUMBER	SSF-LXH513-Q39737	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.09.08	E.C.N. #11502.		A
02.12.13	E.C.N. #10BRDR. & REDRAWN/ E.C.N. #11851.		B



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

PARAMETER	RED	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	636	574	470	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.2	3.5	Vf	
FORWARD VOLTAGE (MAX.)	2.5	2.6	4.0	Vf	
REVERSE VOLTAGE (TYP.)	5.0	5.0	5.0	Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY (TYP.)	380	65	110	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	70	70	70	2x theta	
LED POSITION:	1	2	3		
LENS FINISH:	DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT (R/G/B)	30/25/30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

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

\*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.= <sup>+DECIMAL PRECISION</sup> -0.00 MAX.= <sup>+0.00</sup> -DECIMAL PRECISION UNCONTROLLED DOCUMENT

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 MEMBER OF ITW PHOTONICS GROUP

T-1.8mmLED RIGHT ANGLE 3 HIGH,FAULT INDICATOR,POS.1:R,POS.2:G,POS.3:B,EMITTED COLOR DIFF,REVERSE POLARITY.

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

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DATE:	02.14.13	DRAWN BY:	MA
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		Ⓟ

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