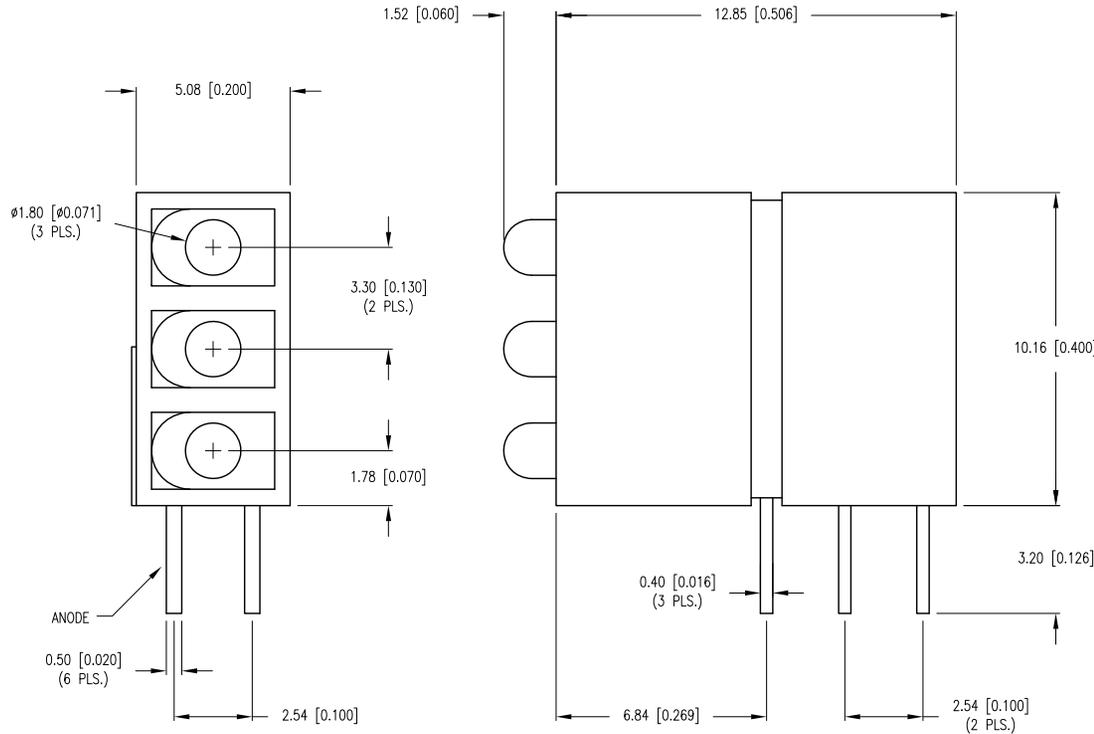


PART NUMBER	SSF-LXH513SISUGUSB	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.14.13	E.C.N. #10BRDR. & REDRAWN/ E.C.N. #11851.		A



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	5.0	5.0	5.0	Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY	20	20	100	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= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN= $^{+0.000}_{-0.000}$  DECIMAL PRECISION MAX= $^{+0.000}_{-0.000}$  DECIMAL PRECISION

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 MEMBER OF ITW PHOTONICS GROUP

T-1.8mm LED RIGHT ANGLE THREE HIGH, FAULT INDICATOR POS.1:RED,POS.2:GREEN,POS.3:BLUE,EMITTED COLOR DIFF.  
 \*\*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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