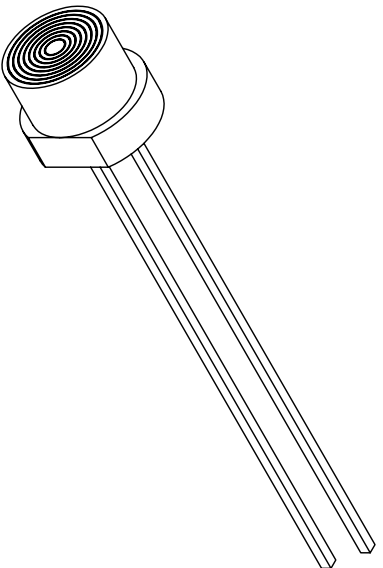




THE DATASHEET OF SSL-LX433ID



PART NUMBER		SSL-LX431D		REV.	C
DATE	01.30.95	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
	04.19.01	UPDATED SPECS.		A	
	01.24.12	E.C.N. #10BRDR. & REDRAWN.		B	
		E.C.N. #10BRDR. & REDRAWN.		C	



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

PARAMETER	MIN	TPP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY		10		mcad	
VIEWING ANGLE		120		2θ theta	
EMITTED COLOR:		RED			
LENS FINISH:		RED DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3	SEC.

* I<10μS

X±1 (+0.039), X×±0.5 (+0.020), XXX=±0.127 (+0.009), LEAD SIZE=±0.05 (+0.002), LEAD LENGTH=±0.75 (+0.030), MIN.=^{+0.00}-_{0.00} DECIMAL PRECISION MAX.=^{+0.00}-_{0.00} DECIMAL PRECISION

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T-5mm (T-1 3/4) 635nm RED LED, RED DIFFUSED FRESNEL LENS.

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

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DATE:	01.24.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		

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