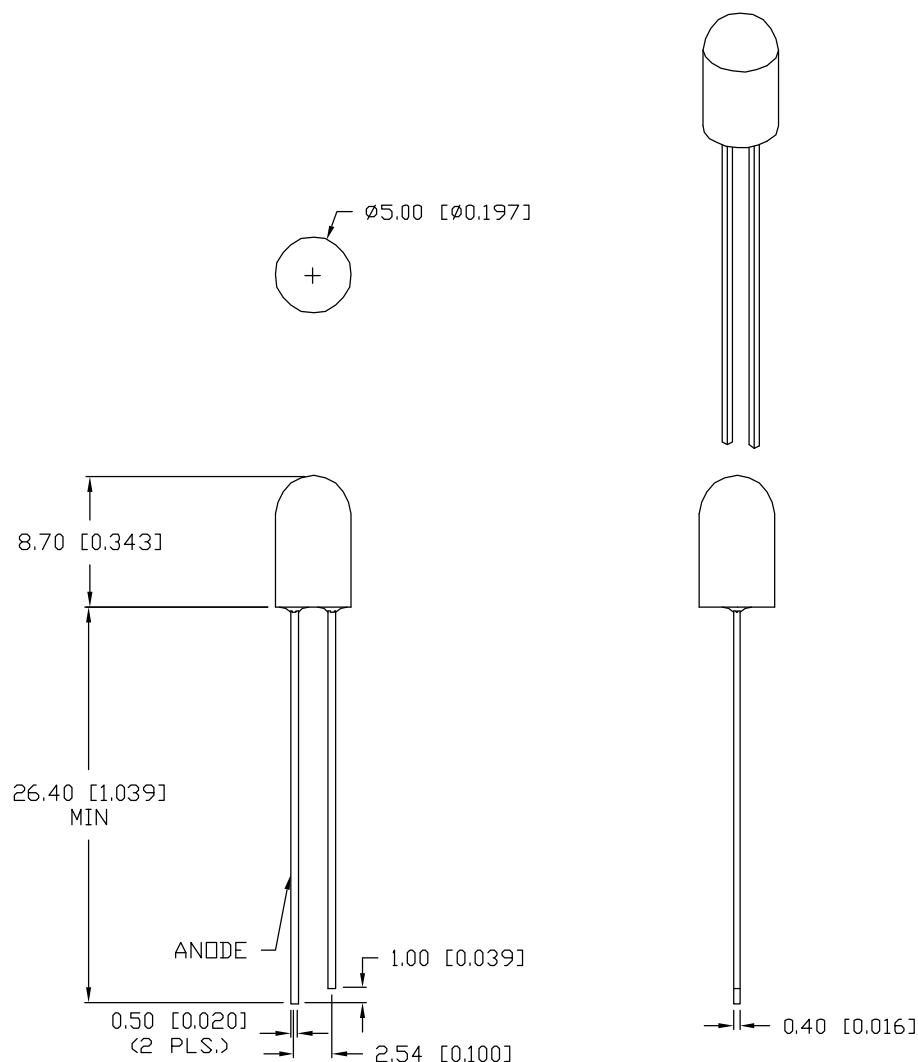


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PART NUMBER
SLX-LX509F6SID/A

REV.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		1.9	2.4	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		1100		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PERDIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	90	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-30 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +100	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0MMFROMBODY		5 SEC. MAX

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

*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= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SLX-LX509F6SID/A

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

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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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