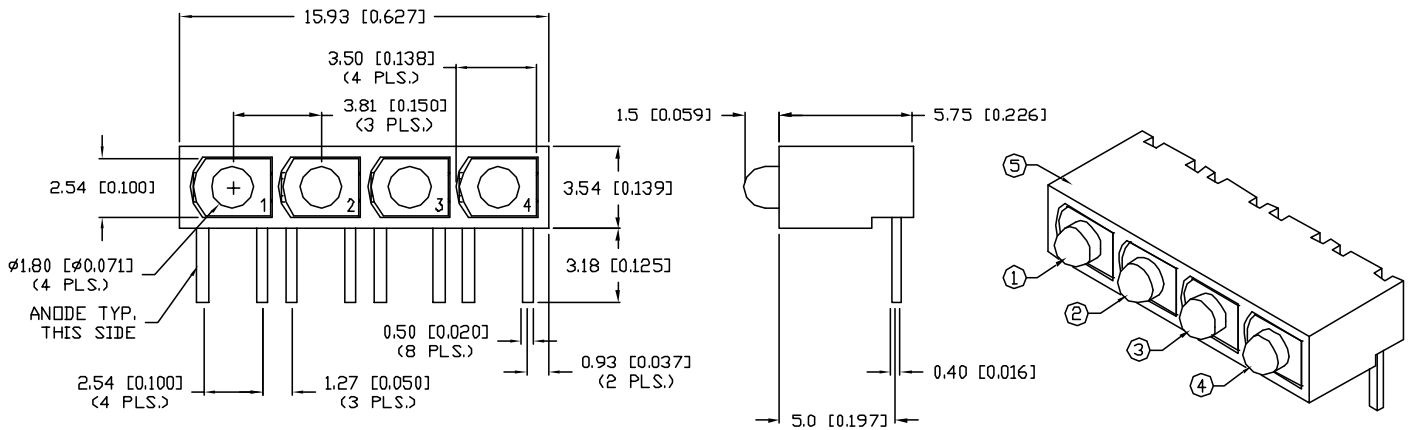


UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH504AGIYD

REV.



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

PARAMETER	AMBER	GREEN	RED	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	610	565	635	585	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.2	2.1	2.1	V _f	
FORWARD VOLTAGE (MAX.)	2.5	2.6	2.5	2.5	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	5.0	V _r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	30	20	30	20	md	$I_f=20\text{mA}$
VIEWING ANGLE	70	70	70	70	2x theta	
LED POSITION:	1	2	3	4		

EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR

LIMITS OF SAFE OPERATION AT 25°C

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

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

NOTES:

1. SSL-LX20333AD, AMBER LED.
2. SSL-LX20333GD, GREEN LED.
3. SSL-LX20333RD, RED LED.
4. SSL-LX20333YD, YELLOW LED.
5. SSH-LXH504, BLACK HOLDER.
6. PARTS TO BE PACKED IN ANTI-STATIC TUBES.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.006). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), NN=±0.001 (DECIMAL PRECISION), MAX.=±0.001 (DECIMAL PRECISION)

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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.

DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 11.16.02 PAGE: 1 OF 1 SCALE: N/A
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RIGHT ANGLE, QUAD HORIZONTAL RANCH FAULT INDICATOR,
AMBER/GREEN/RED/YELLOW LEDS, EMITTED COLOR DIFFUSED.