



We Tame Photons to Work for You!



Products

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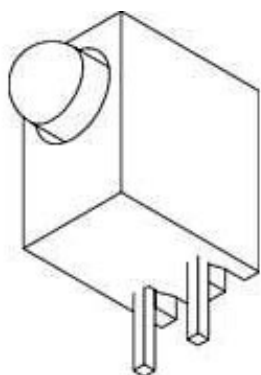
Literature

Tech Notes

Support

Corporate

Products > LED Indicators > PCB Indicators > Assembled Housing > Round > 3mm > Single Level > 2 Leaded > 0.20" from PCB > Standard



Features / Options

- ▶ Vertical Positioning
- ▶ Multi-Unit Construction
- ▶ Polarity Orientation Holder
- ▶ Choice of Colors and Lenses

Applications / Uses

- ▶ Board Level Status Indicators
- ▶ Board Level Fault Indicators
- ▶ Warning/Alarm Signaling
- ▶ Circuit Fault Finder Indicators

Part Number:	SPEC	Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSF-LXH103BID		STANDARD	GaAsP	Blinking Red	635		60	3-15
SSF-LXH103GD		STANDARD	GaP	Green	565	30	60	2.1
SSF-LXH103GD		STANDARD	GaP	Green	565	30	60	2.1
SSF-LXH103HGW		STANDARD	GaP	Red/ Green	695/565	4/8	60	2.1
SSF-LXH103ID		STANDARD	GaAsP	Red	635	30	60	2.1
SSF-LXH103ID		STANDARD	GaAsP	Red	635	30	60	2.1
SSF-LXH103LGD		STANDARD	GaP	Green	565	15	60	1.8
SSF-LXH103LID		STANDARD	GaAsP	Red	635	40	60	1.8
SSF-LXH103LYD		STANDARD	GaAsP	Yellow	585		60	1.8
SSF-LXH103SID		HIGH	AllnGaP	Red	636	100	60	2.0

DATE	REVISIONS	REV
10-1-93	CHG'D LEAD LENGTH./	A
8-21-95	UPDATED SAFE OP. SPECS./	B
12-18-96	E.C.N. #10285./	C
1-21-97	E.C.N. #10295./	D
2-3-97	E.C.N. #10304./	E

DRAWING NUMBER SSF-LXH103LYD	REV E
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ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY	1.5	15		mcd	$I_f = 20\text{mA}$ $I_f = 2\text{mA}$
VIEWING ANGLE		80		$2x$ theta	
EMITTED COLOR	YELLOW				
EPOXY LENS FINISH	YELLOW DIFFUSED				

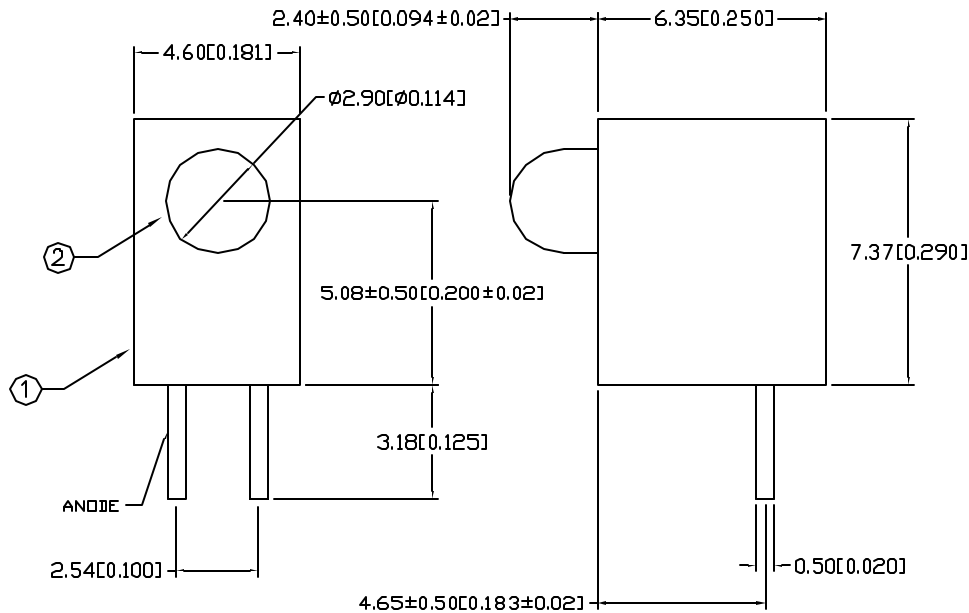
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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.



NOTES

- SSH-LXH103 HOLDER.
- SSL-LX3044LYD LED.

LUMEX
OPTO COMPONENTS INC.

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DATE: 9-20-93	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-3 (T-1) RIGHT ANGLE FAULT INDICATOR,
LOW CURRENT, YELLOW DIFFUSED

PAGE 1 OF 1	DRAWING NUMBER SSF-LXH103LYD	REV E
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