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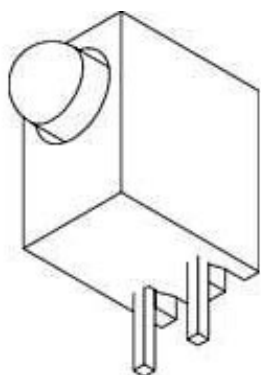
Literature

Tech Notes

Support

Corporate

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



### Features / Options

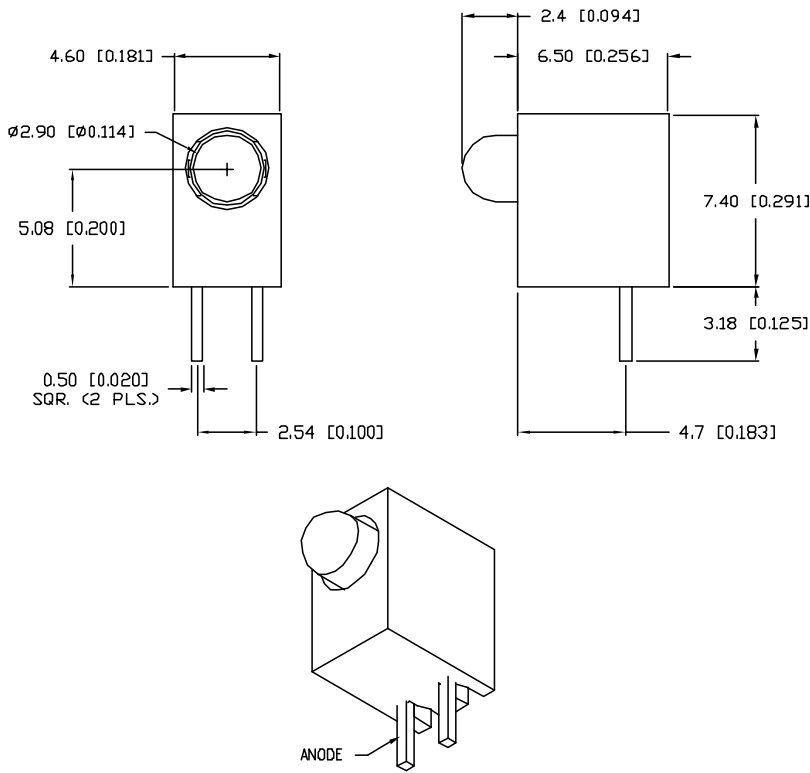
- ▶ Vertical Positioning
- ▶ Multi-Unit Construction
- ▶ Polarity Orientation Holder
- ▶ Choice of Colors and Lenses

### 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

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PART NUMBER  
SSF-LXH103LGD

REV.  
F

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN./	9.21.03
B	CHG'D LEAD LENGTH./	10.2.93
C	E.C.N. #10285	12.18.96
D	E.C.N. #10295.	1.12.97
E	E.C.N. #10304.	2.03.97
F	E.C.N. #11148 & REDRAWN	12.06.04

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.1	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		15		mcd	$I_f=20\text{mA}$
	1.0	15		mcd	$I_f=2\text{mA}$
VIEWING ANGLE		80		$2x$ theta	

EMITTED COLOR: GREEN  
EPOXY LENS FINISH: GREEN DIFFUSED

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

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

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

NOTES:

- SSH-LXH103 HOLDER.
- SSL-LX3044LGD LED.



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), XX= $\pm 0.5$  ( $\pm 0.020$ ), XXX= $\pm 0.25$  ( $\pm 0.010$ ), XXXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN.= $\pm$ DECIMAL PRECISION MAX.= $\pm 0.00$  DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV. F	PART NUMBER SSF-LXH103LGD
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T-3mm SINGLE LEVEL, FAULT INDICATOR,  
LOW CURRENT OPERATION, GREEN DIFFUSED.

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: JD	CHECKED BY:	APPROVED BY:	DATE: 12.06.04 PAGE: 1 OF 1 SCALE: N/A
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