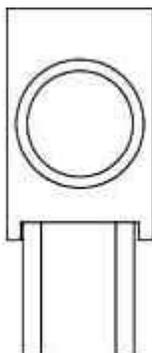




We Tame Photons to Work for You!



Products > LED Indicators > PCB Indicators > Assembled Housing > Round > 3mm > Single Level > 2 Leaded > 0.125" from PCB



Features / Options

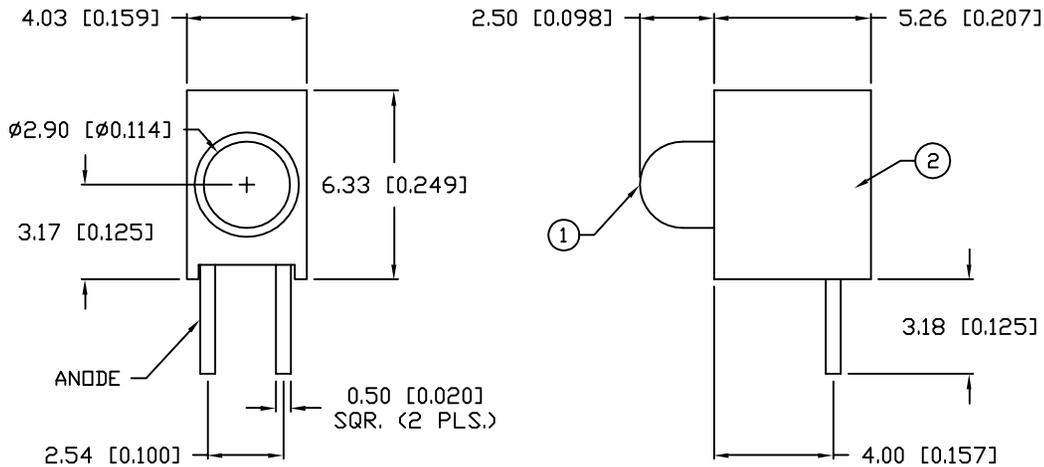
- ▶ Vertical Positioning
- ▶ Multi-Unit Construction
- ▶ Polarity Orientation Holder
- ▶ Choice of Colors and Lenses

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-LXH303GD		STANDARD	GaP	Green	565	30	60	2.2		—
SSF-LXH303ID		STANDARD	GaAsP	Red	635	40	60	2.1		—
SSF-LXH303LGD		STANDARD	GaP	Green	565	30	60	2.2		—
SSF-LXH303LID		STANDARD	GaAsP	Red	635	40	60	2.0		—
SSF-LXH303LYD		STANDARD	GaAsP	Yellow	585	30	60	2.1		—
SSF-LXH303MSID		HIGH	AllnGaP	Red	636	100	60	2.0		—
SSF-LXH303MSOD		HIGH	AllnGaP	Orange	610	100	60	2.0		—
SSF-LXH303MSUGD		HIGH	AllnGaP	Green	574	60	60	2.2		—
SSF-LXH303MSYD		HIGH	AllnGaP	Yellow	590	100	60	2.0		—
SSF-LXH303MUSBD		HIGH	InGaN	Blue	470	80	60	3.5		—
SSF-LXH303SID		STANDARD	AllnGaP	Red	636	100	60	2.0		—

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN.	12.6.93
B	CHANGED DIMS.	12.16.93
C	UPDATED OPER. SPECS.	10.12.94
D	E.C.N. #10BRDR. & REDRAWN.	9.2.98
E	E.C.N. #10BRDR.	4.6.01



NOTES:

1. SSL-LX3044GD, GREEN LED.
2. SSH-LXH303 HOLDER, BLACK NYLON, UL 94V-0.

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		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		$2x$ theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

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

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

*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. E	PART NUMBER SSF-LXH303GD
T-3 (T-1) LED FAULT INDICATOR, 565nm GREEN LED, GREEN DIFFUSED LENS.	

CONFIDENTIAL INFORMATION
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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:	CHECKED BY:	APPROVED BY:	DATE: 9.11.91
		CT			PAGE: 1 OF 1 SCALE: N/A