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Products > LED Indicators > PCB Indicators > Assembled Housing > Round > 5mm > 2
Leaded > Single Level > 0.118" From PCB > Cut Off Holder > Standard

Features / Options



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

Applications / Uses

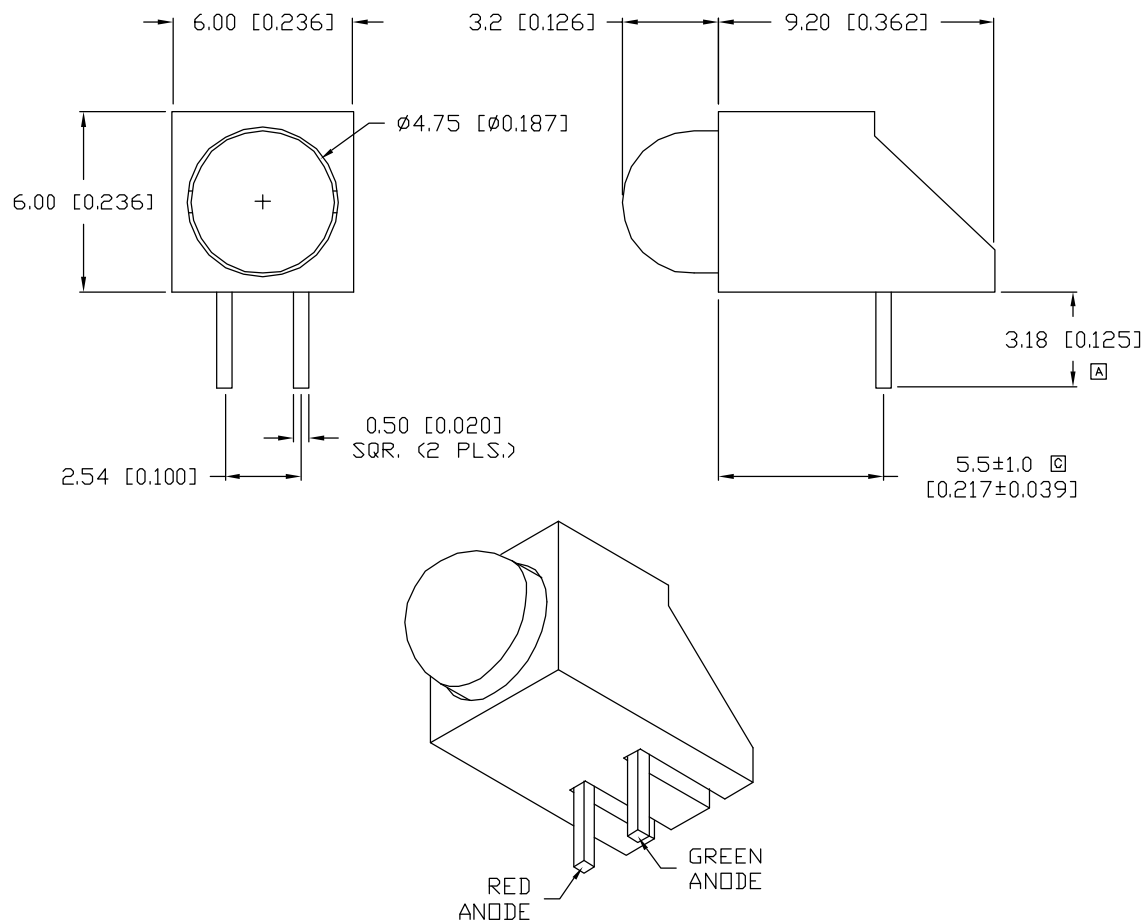
- ▶ Board Level Status Indicators
- ▶ Board Level Fault Indicators
- ▶ Warning/Alarm Signaling
- ▶ Circuit Fault Finder Indicators

Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage		
SSF-LXH100GD		STANDARD	GaP	Green	565	30	60	2.2		—
SSF-LXH100HGW		STANDARD	GaP	Red/Green	700/565	6/20	60	2.0/2.2		—
SSF-LXH100ID		STANDARD	GaAsP	Red	635	40	60	2.0		—
SSF-LXH100LGD		STANDARD	GaP	Green	565	30	60	1.8		—
SSF-LXH100LID		STANDARD	GaAsP	Red	635	40	60	2.0		—
SSF-LXH100LYD		STANDARD	GaAsP	Yellow	585	30	60	2.1		—
SSF-LXH100SID		HIGH	AlInGaP	Red	636	150	60	2.0		—
SSF-LXH100SOD		HIGH	AlInGaP	Orange	610	150	60	2.0		—
SSF-LXH100SRD		HIGH	GaAlAs	Red	660	60	60	1.8		—
SSF-LXH100SUGD		HIGH	AlInGaP	Green	574	80	60	2.2		—
SSF-LXH100SYD		HIGH	AlInGaP	Yellow	590	150	60	2.0		—

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PART NUMBER
SSF-LXH100HGWREV.
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D LEAD LENGTHS.	10.2.93
B	UPDATED SPECS.	10.11.94
C	E.C.N. #10301.	1.30.97
D	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.14.02

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		700 (RED) 565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G)		6/20		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		25	mA
POWER DISSIPATION	(R/G)	120/105	mW
DERATE FROM 25°C		-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

NOTES:

1. SSL-LX507F3HGW, RED/GREEN LED.
2. SSH-LXH100, BLACK HOLDER.

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*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.
DPART NUMBER
SSF-LXH100HGWT-5mm (T-1 3/4) LED, RIGHT ANGLE FAULT INDICATOR,
RED/GREEN BICOLOR LED, MILKY WHITE DIFFUSED LENS.

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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: 7.15.93
BC			PAGE: 1 OF 1
			SCALE: N/A