



We Tame Photons to Work for You!



Products

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Solutions

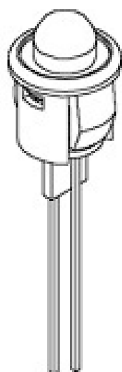
Literature

Tech Notes

Support

Corporate

Products > LED Indicators > Panel Indicators > Round > Front Insertion > 5mm > Plastic Housing > Protruded LED > Short Body



Features / Options

- ▶ State-of-the-Art, LED Technology
- ▶ Choice of LED Colors and Lens Finishes
- ▶ Insulated Lead Lengths Optional
- ▶ Easy installation through panel

Applications / Uses

- ▶ Front Panel Status Indicators
- ▶ Alarm/Warning Indicators
- ▶ Front Panel Circuit Fault Indicators
- ▶ Instrument Control Panels
- ▶ Medical Diagnostics Indicators
- ▶ Industrial Automation Control Panels

Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXH387BID-4		STANDARD	GaAsP	Blinking Red	635	10	120	3.0
SSI-LXH387GD-4		STANDARD	GaP	Green	565	30	60	2.2
SSI-LXH387HGW-4		STANDARD	GaP	Red/ Green	700/565	5	60	2.0/2.2
SSI-LXH387ID-4		STANDARD	GaAsP	Unable to look up Color	635	40	60	2.0
SSI-LXH387SID-4		HIGH	AlInGaP	Red	636	700	60	2.0
SSI-LXH387SOD-4		HIGH	AlInGaP	Orange	610	850	60	2.0
SSI-LXH387SRD-4		HIGH	GaAlAs	Red	660	250	60	1.7
SSI-LXH387SUGD-4		HIGH	AlInGaP	Green	574	170	60	2.2
SSI-LXH387SYD-4		HIGH	AlInGaP	Yellow	590	300	60	2.0
SSI-LXH387USBD-4		HIGH	InGaN	Blue	470	300	60	3.5
SSI-LXH387YD-4		STANDARD	GaAsP	Yellow	585	30	60	2.1

UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXH387ID

REV.

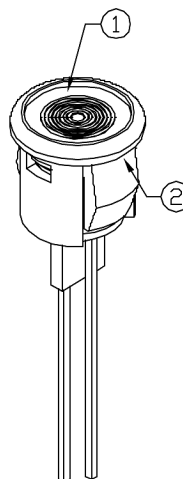
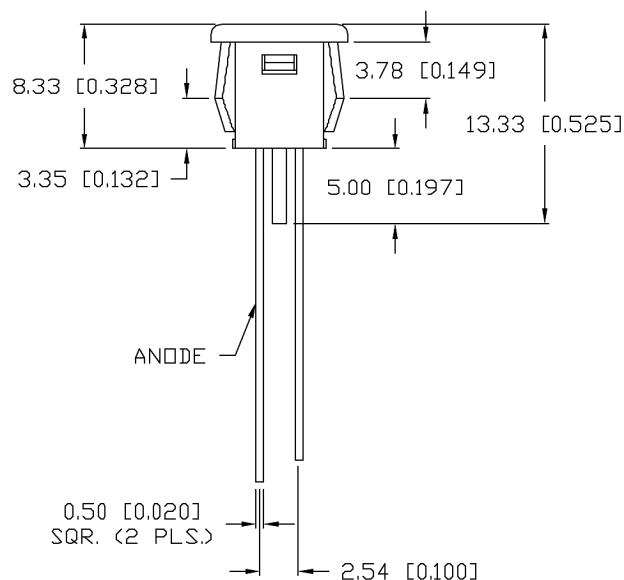
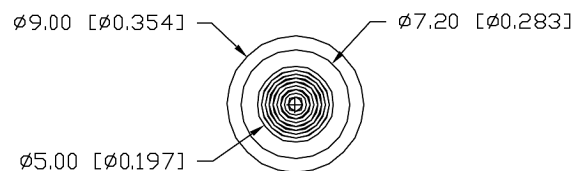
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REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #10BRDR. & REDRAWN.

8.2.01

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		120		2θ	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED 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	-1.2	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-LX433ID LED.
2. HOLDER: LXP-SSI-387BSH, LXP-SSI-387BZL.
3. PANEL HOLE CUT OUT: 5/16" DIAMETER.

UNCONTROLLED DOCUMENT

*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.

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PART NUMBER

SSI-LXH387ID

T-5 FRESNEL LENS PANEL MOUNT INDICATOR,
635nm RED LED, RED 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.

