



We Tame Photons to Work for You!



Products

Search Tools

Solutions

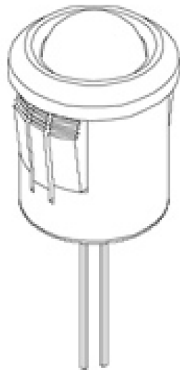
Literature

Tech Notes

Support

Corporate

Products > LED Indicators > Panel Indicators > Round > Front Insertion > 10mm > Plastic Housing > 2 Leaded



Features / Options

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

Applications / Uses

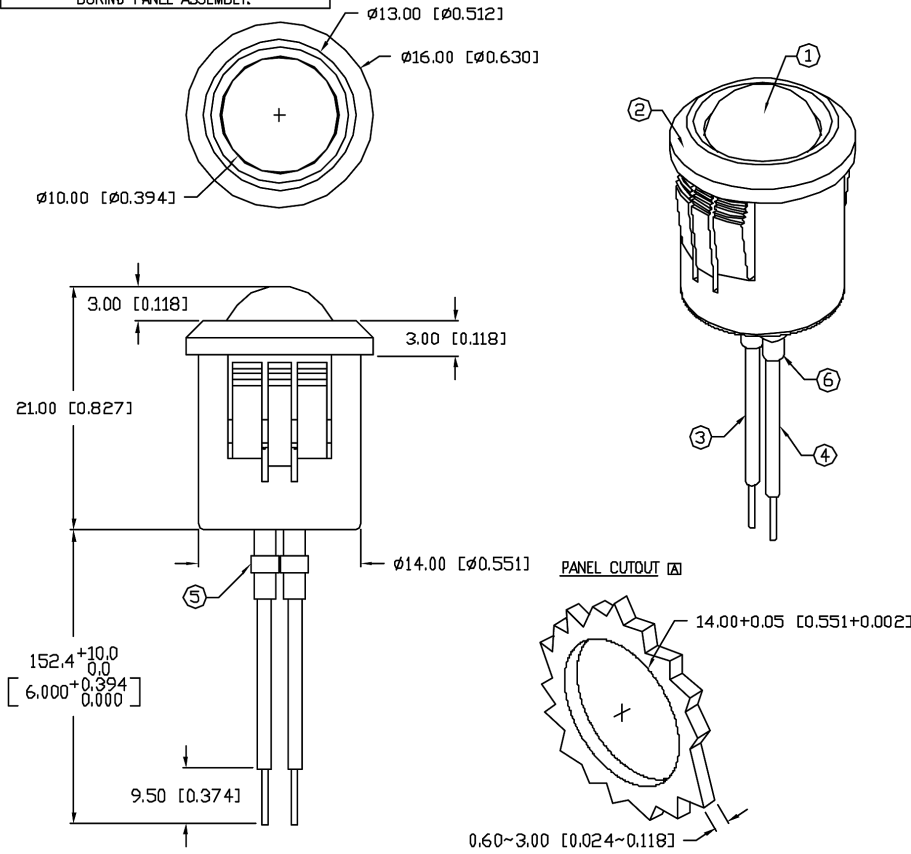
- ▶ Front Panel Status Indicators
- ▶ Alarm/Warning Indicators
- ▶ Front Panel Circuit Fault Indicators
- ▶ Instrument Control Panels
- ▶ Medical Diagnostics Indicators
- ▶ Industrial Automation Control Panels

Part Number:	Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXH1090BID	STANDARD	GaAsP	Blinking Red	635	50	60	9.0/12.0
SSI-LXH1090GD	STANDARD	GaP	Green	565	30	60	2.2
SSI-LXH1090GD-150	STANDARD	GaP	Green	565	30	60	2.2
SSI-LXH1090HGW	STANDARD	GaP	Red/ Green	700/565	6/25	60	2.0/2.2
SSI-LXH1090ID	STANDARD	GaAsP	Red	635	40	60	2.0
SSI-LXH1090ID-150	STANDARD	GaAsP	Red	635	40	60	2.0
SSI-LXH1090SID-150	HIGH	AlInGaP	Red	636	550	60	2.0
SSI-LXH1090SOD-150	HIGH	AlInGaP	Orange	610	550	60	2.0
SSI-LXH1090SRD	HIGH	GaAlAs	Red	660	80	60	1.7
SSI-LXH1090SRD-150	HIGH	GaAlAs	Red	660	80	60	1.7
SSI-LXH1090SUGD150	HIGH	AlInGaP	Green	574	200	60	2.2

SSI-LXH1090SYD-150		HIGH	AlInGaP	Yellow	590	350	60	2.1
SSI-LXH1090USB150		HIGH	InGaN	Blue	470	350	60	3.5
SSI-LXH1090YD		STANDARD	GaAsP	Yellow	585	30	60	2.1
SSI-LXH1090YD-150		STANDARD	GaAsP	Yellow	585	30	60	2.1

UNCONTROLLED DOCUMENT

CAUTION: PRESSURE SENSITIVE ASSEMBLY
AVOID APPLYING PRESSURE TO LED
DURING PANEL ASSEMBLY.



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

PART NUMBER		REV.
SSI-LXH1090ID-150		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10539.	3.9.00
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.5.02

ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=20mA

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 =100µA
AXIAL INTENSITY		40		mcad	I _f =20mA
VIEWING ANGLE		60		2x theta	
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/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

* t < 10µs

- NOTES:
- SSL-LX100133ID LED.
 - SSH-RTF1090 HOLDER.
 - ANODE LEAD: LXP-WST24RDT0C, 24 AWG STRANDED, RED INSULATION, CUT 144mm LONG, STRIP 3mm & 9.5mm.
 - CATHODE LEAD: LXP-WST24BLT0C, 24 AWG STRANDED, BLACK INSULATION, CUT 144mm LONG, STRIP 3mm & 9.5mm.
 - CRIMP WIRE LEADS TO LED LEADS.
 - 2 PIECES- 32mm, 1/16" BLACK HEAT SHRINK TUBING.
 - UV EPOXY TO RETAIN LED IN HOLDER.

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
B	SSI-LXH1090ID-150
T-10mm 635nm RED LED PANEL INDICATOR, RED DIFFUSED LENS, 6" WIRE LEADS.	

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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.

