



We Tame Photons to Work for You!



Products

Search Tools

Solutions

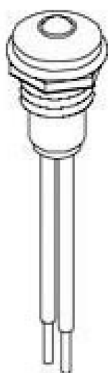
Literature

Tech Notes

Support

Corporate

Products > LED Indicators > Panel Indicators > Round > Front Insertion > 3mm > Chrome Housing > Protruding LED



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

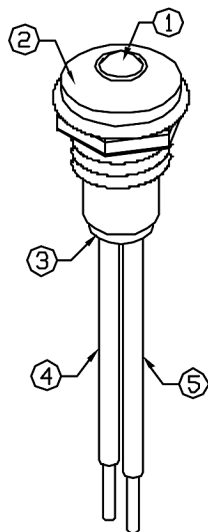
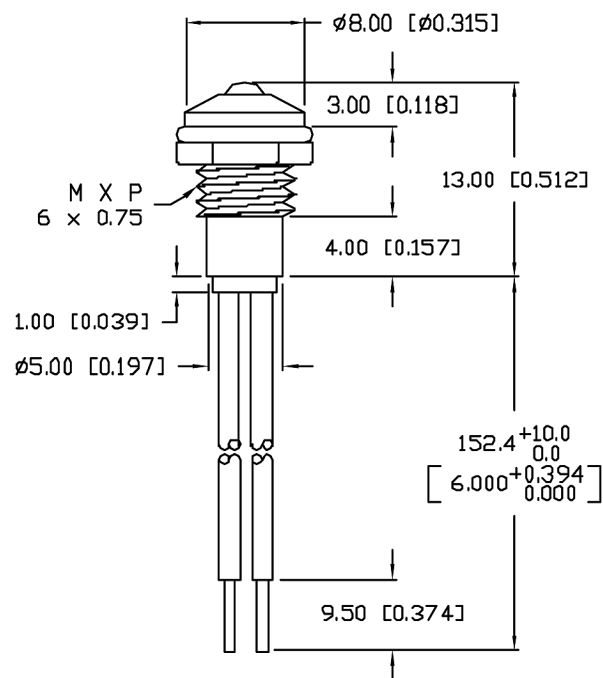
- ▶ Front Panel Status Indicators
- ▶ Alarm/Warning Indicators
- ▶ Front Panel Circuit Fault Indicators
- ▶ Instrument Control Panels
- ▶ Medical Diagnostics Indicators
- ▶ Industrial Automation Control Panels

Part Number:	Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXR3612BID-150	STANDARD	GaAsP	Red	635	6	60	3-15V
SSI-LXR3612GD-150	STANDARD	GaP	Green	565	30	60	2.2
SSI-LXR3612GD5V150	STANDARD	GaP	Green	565	15	60	5.0
SSI-LXR3612HGW-150	STANDARD	GaP	Red/ Green	700/565	5/20	60	2.0/2.2
SSI-LXR3612ID-150	STANDARD	GaAsP	Red	635	30	60	2.0
SSI-LXR3612ID5V150	STANDARD	GaAsP	Red	635	10	60	5.0
SSI-LXR3612SID-150	HIGH	AlInGaP	Red	636	100	60	2.1
SSI-LXR3612SOD-150	HIGH	AlInGaP	Orange	610	100	60	2.1
SSI-LXR3612SRD-150	HIGH	GaAlAs	Red	660	65	60	1.8
SSI-LXR3612SUGD150	HIGH	AlInGaP	Green	574	70	60	2.2
SSI-LXR3612SYD-150	HIGH	AlInGaP	Yellow	590	100	60	2.1

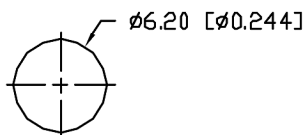
SSI-LXR3612USBD-150		HIGH	InGaN	Blue	470	60	60	3.5
SSI-LXR3612YD-150		STANDARD	GaAsP	Yellow	585	30	60	2.1
SSI-LXR3612YD5V150		STANDARD	GaAsP	Yellow	585	10	60	5.0

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSI-LXR3612ID-150		E
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SAFE OPER. SPECS.	11.17.92
B	UPDATED SAFE OPER. SPECS AND NOTES.	9.19.94
C	UPDATED DWG AND NOTES.	5.16.95
D	CHG'D WIRE SIZE.	6.23.95
E	E.C.N. #10BRDR. & REDRAWN IN 3D.	10.30.01



PANEL CUTOUT



NOTES:

1. SSL-LX3054ID, RED LED, TRIM LEADS TO 5mm.
2. SSI-LXR3612 HOLDER, CHROME FINISH.
3. SSH-LXH1612BSC, BUSHING, INSERT AND CRIMP.
4. ANODE LEAD: LXP-WST26RDT0C, 26 AWG. STRANDED, RED INSULATION, CUT TO 157mm LONG, STRIP ENDS 2mm AND 9.5mm.
5. CATHODE LEAD: LXP-WST26BLT0C, 26 AWG. STRANDED, BLACK INSULATION, CUT TO 157mm LONG, STRIP ENDS 2mm AND 9.5mm.
6. SOLDER LED LEADS TO WIRE LEADS.

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	$I_f=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$I_f=20\text{mA}$
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	-1.6	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

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

*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.=^{+0.00}/_{-0.00} DECIMAL PRECISION, MAX.=^{+0.00}/_{-0.00} DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
E	SSI-LXR3612ID-150

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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.



T-3mm (T-1) 635nm RED LED PANEL INDICATOR,
 RED DIFFUSED LENS, WITH 6" WIRE LEADS.