



We Tame Photons to Work for You!



Products

Search Tools

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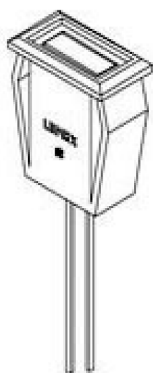
Literature

Tech Notes

Support

Corporate

Products > LED Indicators > Panel Indicators > Rectangular > 2.5mm x 7mm



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

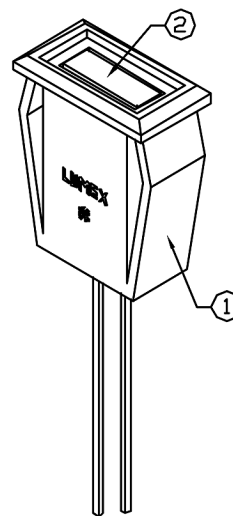
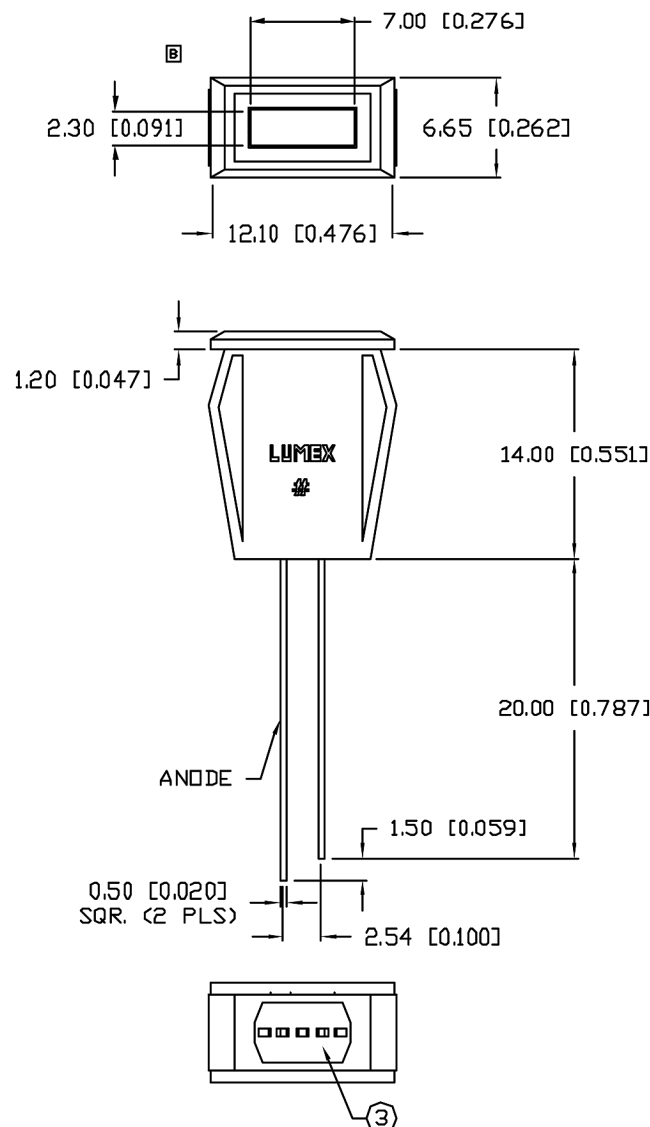
Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXH072GD		STANDARD	GaP	Green	565	9	110	2.2
SSI-LXH072GD-150		STANDARD	GaP	Green	565	9	110	2.2
SSI-LXH072HGW		STANDARD	GaP	Red/ Green	700/565	4/9	110	2.0/2.2
SSI-LXH072ID		STANDARD	GaAsP	Red	635	15	110	2.0
SSI-LXH072ID-150		STANDARD	GaAsP	Red	635	15	110	2.0
SSI-LXH072SID-150		HIGH	AlInGaP	Red	636	70	110	2.0
SSI-LXH072SOD-150		HIGH	AlInGaP	Orange	610	70	110	2.0
SSI-LXH072SRD		HIGH	GaAlAs	Red	660	50	110	1.7
SSI-LXH072SRD-150		HIGH	GaAlAs	Red	660	50	110	1.8
SSI-LXH072SUGD-150		HIGH	AlInGaP	Green	574	35	110	2.2
SSI-LXH072SYD-150		HIGH	AlInGaP	Yellow	590	160	110	2.1

SSI-LXH072USBD-150		HIGH	InGaN	Blue	470	40	110	3.5
SSI-LXH072YD		STANDARD	GaAsP	Yellow	585	9	110	2.1
SSI-LXH072YD-150		STANDARD	GaAsP	Yellow	585	9	110	2.1

UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXH072YDREV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	1.5.99
B	E.C.N. #10702.	1.10.01

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		9		med	$I_f=20\text{mA}$
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW 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. SSH-LXH072 HOLDER, BLACK.
2. SSL-LX25783YD LED, YELLOW.
3. SECURE LED TO HOLDER WITH UV ACRYLIC.
4. PANEL CUT OUT SIZE: 5.3mm x 11.0mm.

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

REV.
BPART NUMBER
SSI-LXH072YD

2.3mm x 7mm RECTANGULAR PANEL INDICATOR LED,
585nm YELLOW LED, YELLOW 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.



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