

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[SSB-LX2965IGW](#)

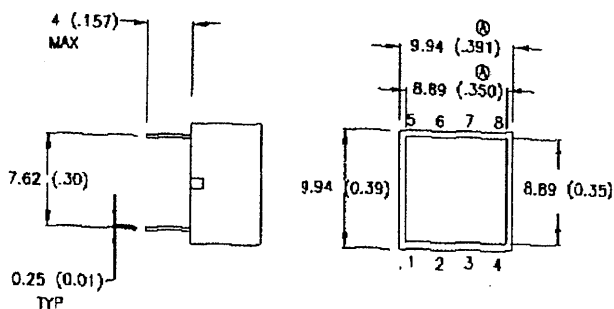
For any questions, you can email us directly:

sales@integrated-circuit.com

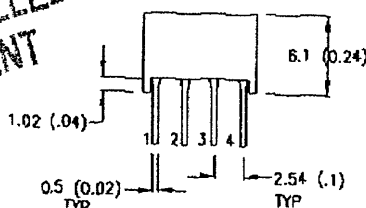
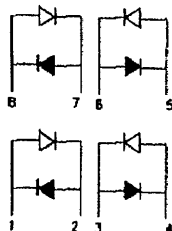
DATE	REVISIONS	A
9-16-96	E.C.N. #10241/	A

DRAWING NUMBER	REV
SSB-LX2965IGW	A

APPROVED



UNCONTROLLED DOCUMENT



GREEN
 RED

UNIT: mm (INCHES)
 TOLERANCE: ±0.25 (±0.01) UNLESS OTHERWISE SPECIFIED.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED) 565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.1	2.8	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY (R/G)		25		mod	$I_f = 20\text{mA}$
VIEWING ANGLE		180		2 $\times$ theta	
EMITTED COLOR	RED/GREEN				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (R/G)	150	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION (R/G)	105	mW
DERATE FROM 25°C	-0.37	mW/°C
OPERATING, STORAGE TEMP	-20 TO +85	°C
LEAD SOLDERING TEMP	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

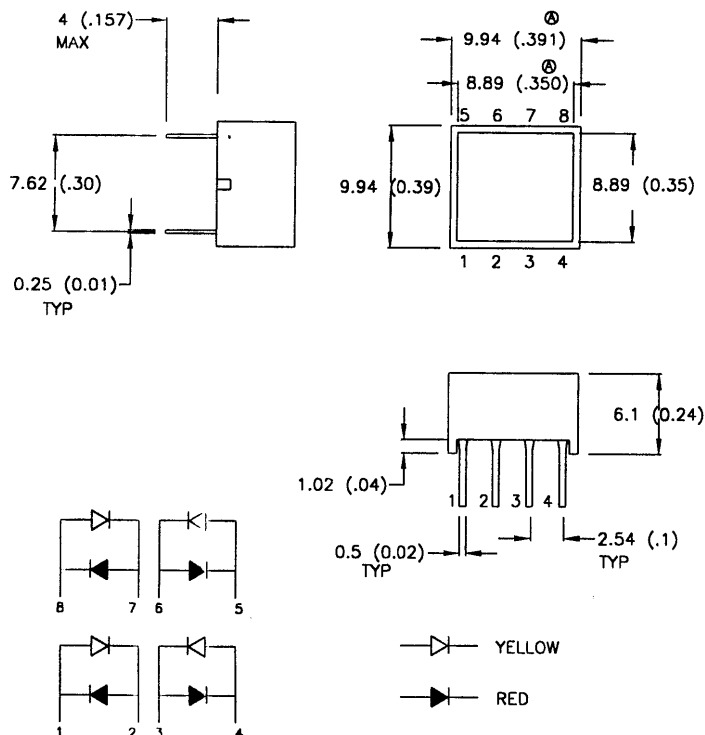
RELIABILITY NOTE

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.

LUMEX OPTO COMPONENTS INC.		290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790	
CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX OPTO/COMPONENTS, INC. EXCEPT AS SPECIFICALLY AUTHORIZED BY WRITING BY LUMEX OPTO/COMPONENTS, INC. THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISTRIBUTION TO ALL THIRD PARTIES.			
DATE: 12-20-95	OWN: <i>DM</i>	CHK: <i>OK</i>	APP: <i>57</i>
SCALE: N/A			
8.89mm x 8.89mm LIGHT BAR, RED/GREEN BICOLOR, MILKY WHITE DIFFUSED			
PAGE 1 OF 1	DRAWING NUMBER SSB-LX2965IGW		REV A

DATE	REVISIONS	REV
9-16-96	E.C.N. #10241./	A

DRAWING NUMBER	REV
SSB-LX2950IYW	A



UNIT: mm (INCHES)
TOLERANCE: ± 0.25 (± 0.01) UNLESS OTHERWISE SPECIFIED.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED) 585 (YELLOW)		nm	
FORWARD VOLTAGE (R/Y)		2.1	2.8	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY (R/Y)		25		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR	RED/YELLOW				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*(R/Y)	150	mA
STEADY CURRENT (R/Y)	30	mA
POWER DISSIPATION (R/Y)	105	mW
DERATE FROM 25°C	-0.42	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-20 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

RELIABILITY NOTE

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SCALE: N/A			
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PAGE 1 OF 1	DRAWING NUMBER	SSB-LX2950	REV A