



THE DATASHEET OF SSF-LXH2100GD

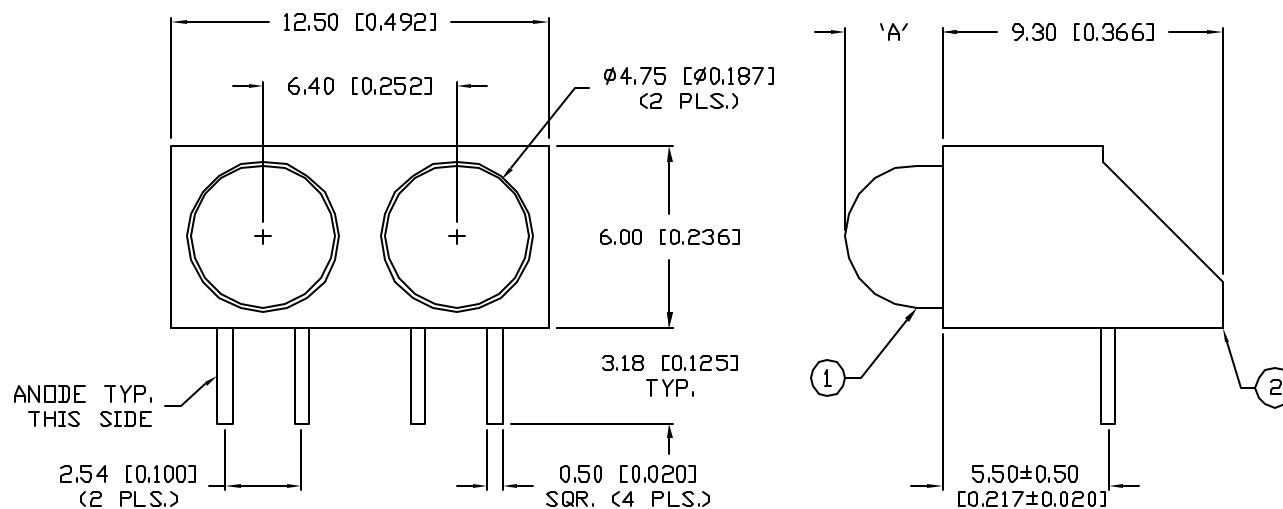
UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH2100GD(-1)

REV.

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

DATE



DIM 'A'
NO P/N SUFFIX: 3.2 [0.126]
WITH -1 SUFFIX: 4.7 [0.187]

NOTES:

1. NO P/N SUFFIX, SSL-LX507F3GD, GREEN LED. (2 PCS.)
WITH -1 SUFFIX, SSL-LX509F3GD, GREEN LED. (2 PCS.)
2. SSH-LXH2100, BLACK HOLDER.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	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		80		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	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	

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

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

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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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DATE: 9-15-99

BC

PAGE: 1 OF 1

SCALE: N/A

T-5mm (T-1 3/4) DUAL LED HOLDER,
TWO 565nm GREEN LEDS, GREEN DIFFUSED LENS.

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