



NOTES:

1. SSL-LX5099SRSGW, RED/GREEN LED.
2. SSI-LXR4815, CHROME HOUSING.
3. SSH-LXH4815BSG-3, BLACK NYLON BUSHING.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		1.8/2.2	2.3/2.6	V _f	
REVERSE VOLTAGE (R/G)	4.0/5.0			V _r	$I_f=100\mu\text{A}$
AXIAL INTENSITY (R/G)		200/50		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT (R/G)		30/25	mA
POWER DISSIPATION (R/G)		100/105	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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	T-5mm RED/GREEN PANEL INDICATOR LED, MILKY WHITE DIFFUSED LENS, COMMON CATHODE.	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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