



ELECTRO-OPTICAL CHARACTERISTICS I_A=25°C I_F=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	626 (RED)			nm	
	525 (GREEN)			nm	
	470 (BLUE)			nm	
FORWARD VOLTAGE (R)	1.85			V _F	I _F =100μA
	(G)	3.7		V _F	
	(B)	3.5		V _F	
REVERSE VOLTAGE	5.0			V _R	I _F =100μA
AXIAL INTENSITY (R/G/B)	730/1500/1500			mcad	I _F =20mA
VIEWING ANGLE	60			2x theta	
EPOXY LENS FINISH: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	120/100/100	mA
STEADY CURRENT		30	mA
POWER DISSIPATION	(R/G/B)	105/15/25	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

* I_C<10μS

*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=±0.08 (+0.002), LEAD LENGTH=±0.75 (+0.030), MAX.=+0.00, -0.00, DECIMAL PRECISION

PART NUMBER
SSP-LXC03551C

0.39" ROUND LED, RED, GREEN, BLUE,
4 LEADED, SINGLE LAMP, COMMON CATHODE.

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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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