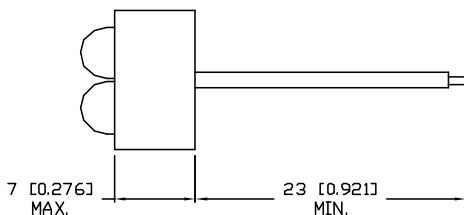
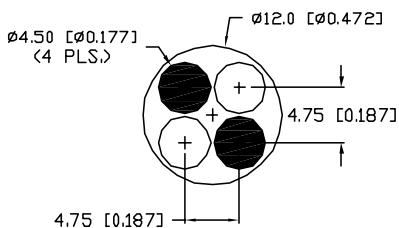


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSP-LXC04762S4A		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR.	10.16.03



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20/40\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		680 (R)		nm	
		565 (G)		nm	
FORWARD VOLTAGE* (R/G)		3.6/4.4	4.8/5.2	V <sub>f</sub>	
REVERSE VOLTAGE (R/G)	4.0/5.0			V <sub>r</sub>	I <sub>r</sub> =100μA
AXIAL INTENSITY** (R/G)		2000/300		mcd	I <sub>f</sub> =20/40mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

\* VOLTAGE FOR PIN 1/VOLTAGE FOR PIN 3  
 \*\* INTENSITY PER DIE. TEST CONDITION: CURRENT FOR PIN 1/PIN 3

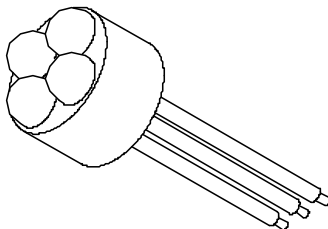
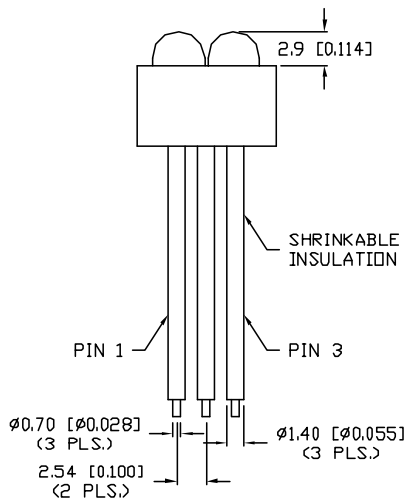
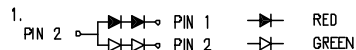
LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-30 TO +70	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

\* t<10μs

NOTES:

PIN OUT



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.070), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION MAX=-DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV. A	PART NUMBER SSP-LXC04762S4A	<p>CONFIDENTIAL INFORMATION</p> <p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF SUNBRITE LEDS. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY SUNBRITE LEDS, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</p> <p>RELIABILITY NOTE</p> <p>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.</p>		286 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.348.3116 FAX: +1.847.359.2867 WEB: www.sunbriteleds.com	
0.47" CIRCULAR, 4 LED CLUSTER, DUAL COLOR, 660nm SUPER RED LEDS, 565nm SUPER GREEN LEDS, WATER CLEAR LENS, COMMON ANODE.		DRAWN: BC	CHECKED:	APPROVED:	DATE: 1.14.00 PAGE: 1 OF 1