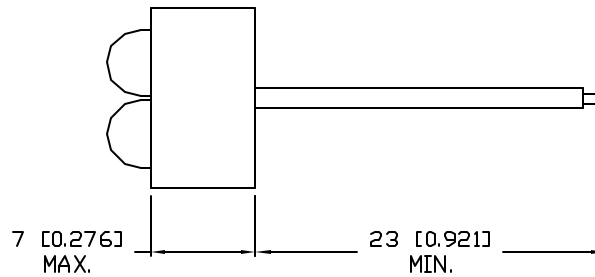
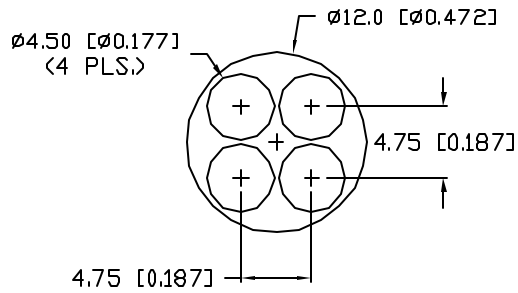


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PART NUMBER  
SSP-LXC04764

REV.  
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR.	10.14.03



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

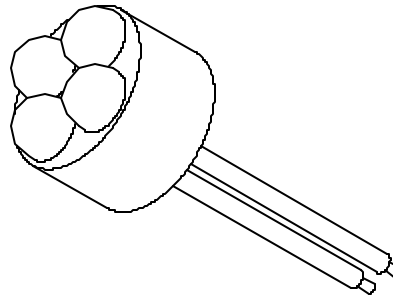
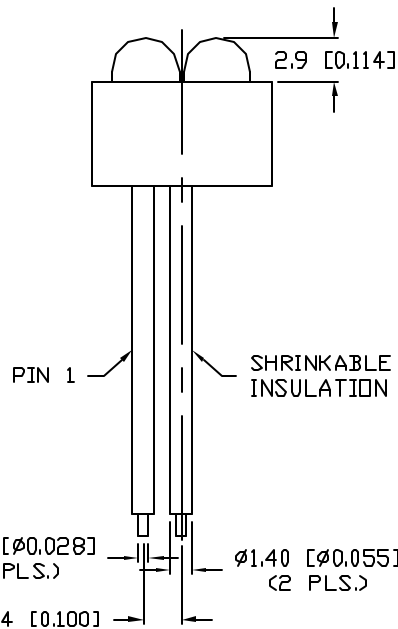
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		3.6	4.6	$V_f$	
REVERSE VOLTAGE	4.0			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY *		2000		mcad	$I_f=40\text{mA}$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

\* INTENSITY PER DIE.

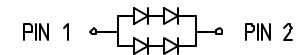
LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	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

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



PIN OUT



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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= <sup>+DECIMAL PRECISION</sup> -0.00 <sup>MAX= +0.00</sup> -DECIMAL PRECISION

REV.  
A

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0.47" CIRCULAR, 4 LED CLUSTER,  
660nm SUPER RED LEDS, WATER CLEAR LENS.

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.

DRAWN: BC	CHECKED:	APPROVED:	DATE: 1.14.00 PAGE: 1 OF 1
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