

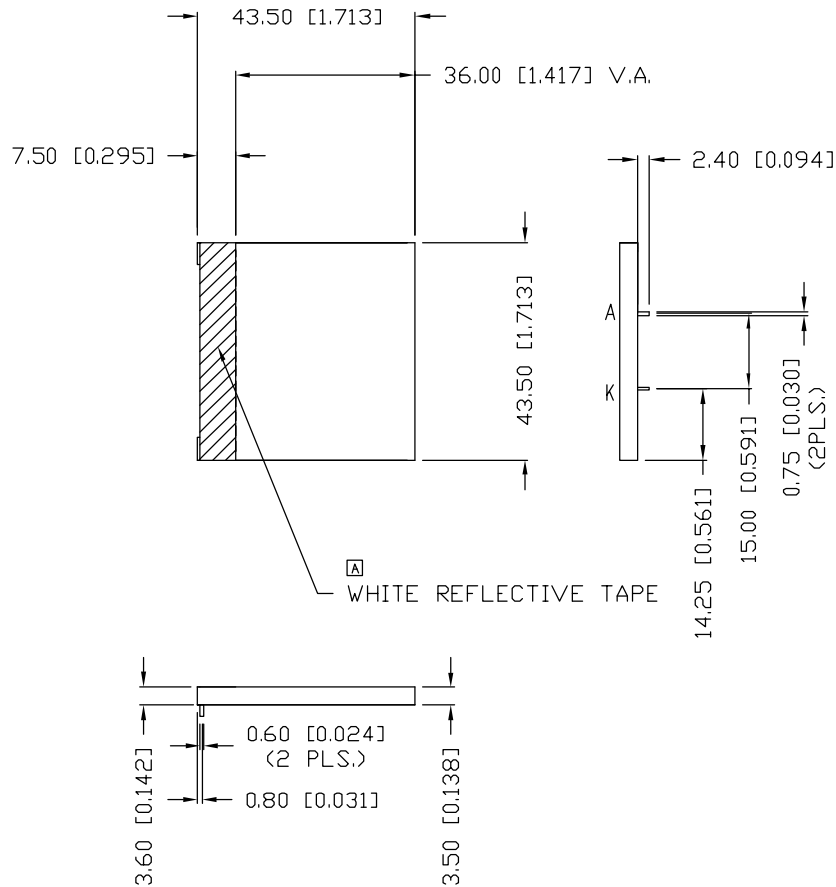
UNCONTROLLED DOCUMENT

PART NUMBER
SSB-CEL4444SIW

REV.

A

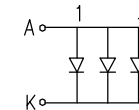
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11544.	11.19.08



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ PER MODULE					$I_f=60\text{ mA}$	
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND	
PEAK WAVELENGTH		640		nm		
FORWARD VOLTAGE		2.0	2.6	V_f		
REVERSE VOLTAGE	5			V_r	$I_r=0.15\text{mA}$	
LUMINOUS INTENSITY		TBA		cd/m^2	$I_f=60\text{ mA}$	
EMITTED COLOR:	RED					
REFLECTOR FINISH:	CLEAR WHITE WITH DIFFUSER					

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

PARAMETER	MAX	UNITS
STEADY CURRENT	72	mA
POWER DISSIPATION	0.195	W
DERATE FROM 25°C , PER DIE	-1.2	$\text{mW}/^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3 SEC. MAX	



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

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43.5mm x 43.5mm , EDGE LIT LED BACKLIGHT,
640nm RED

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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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