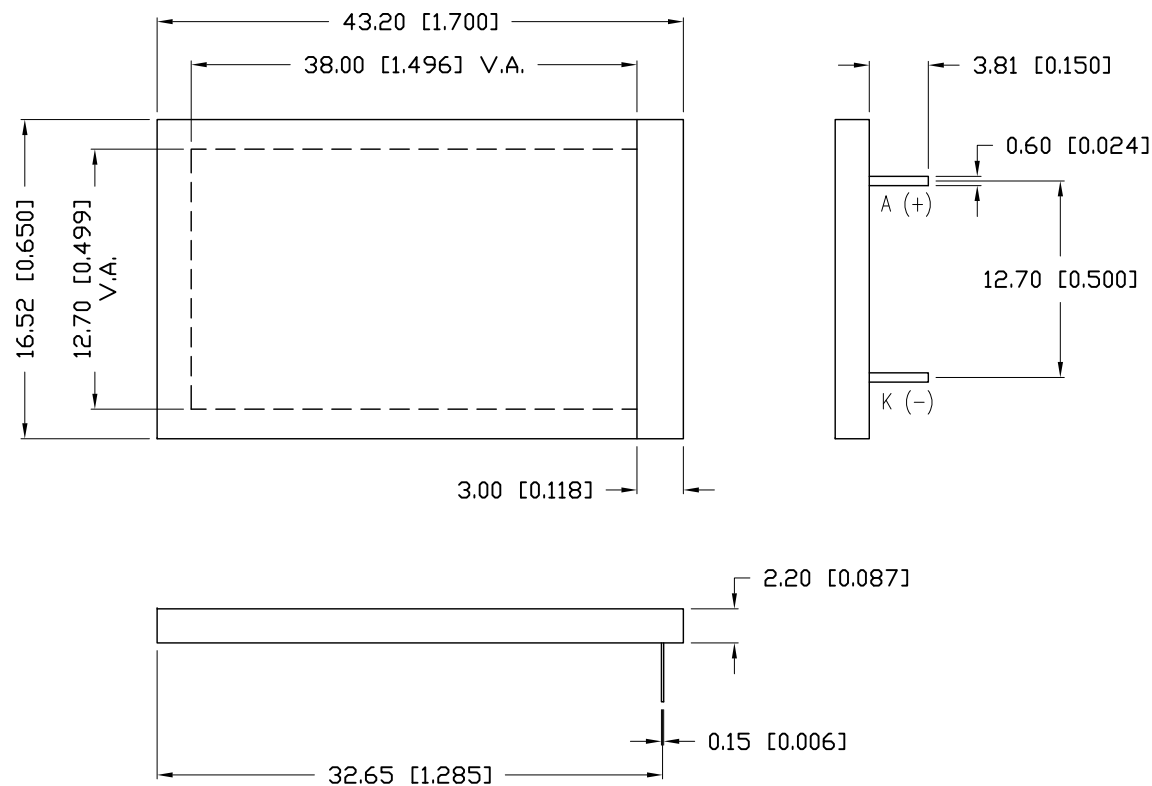


PART NUMBER	SSB-DL3812USBC	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.01.13	E.C.N. #10BRDR. & REDRAWN.		A

A



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE					$I_f=20\text{ mA}$
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		7.2	8.0	V_f	
REVERSE VOLTAGE	16			V_r	$V_r=100\mu\text{A}$
LUMINOUS INTENSITY		50		cd/m^2	$I_f=20\text{ mA}$
EMITTED COLOR:	BLUE				
REFLECTOR FINISH:	CLEAR WHITE				

MATERIAL: POLYCARBONATE

LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	0.24	W
DERATE FROM 25°C	-1.0	$\text{mW}/^\circ\text{C}$
OPERATING TEMP.	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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

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

UNCONTROLLED DOCUMENT