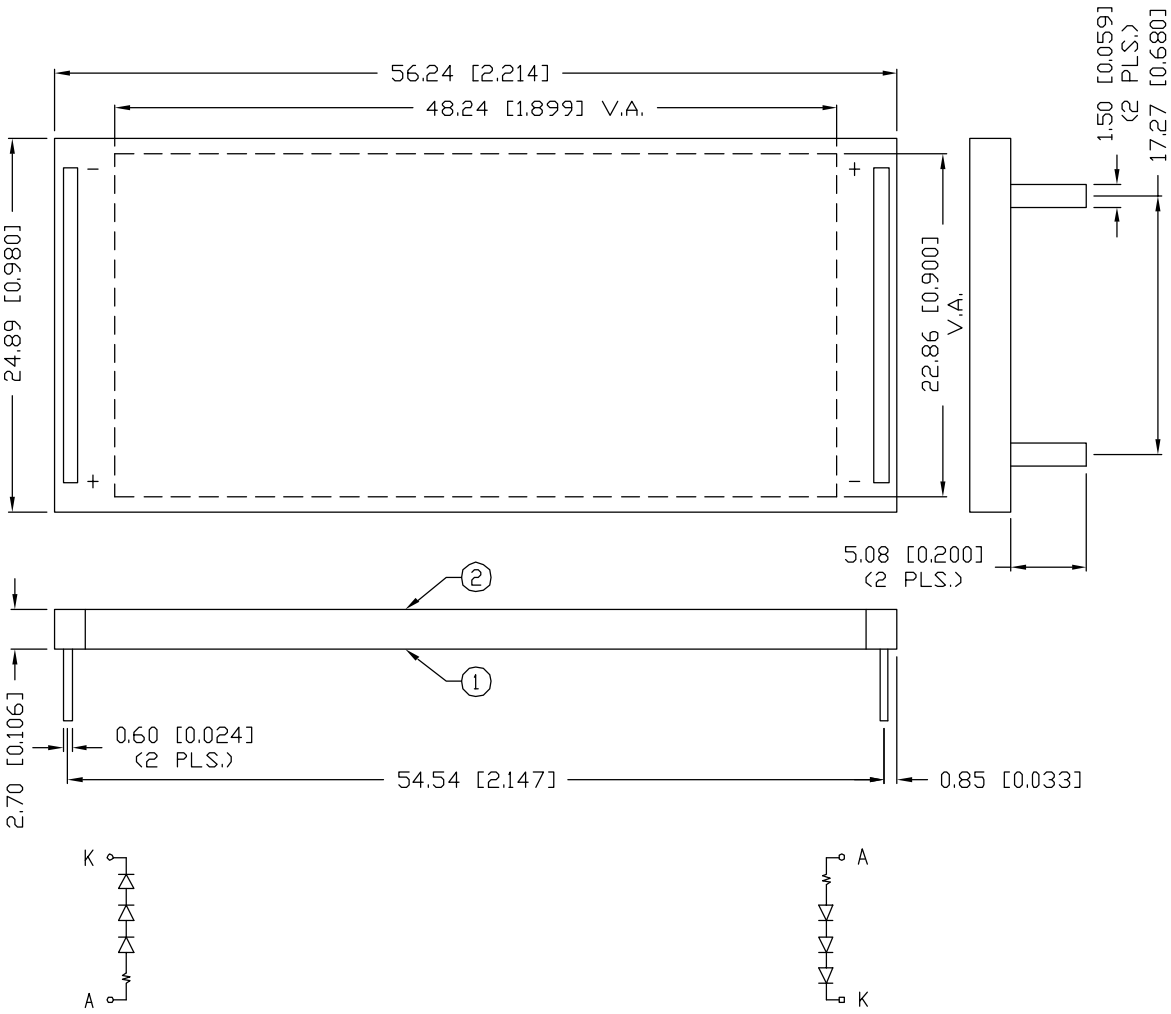
UNCONTROLLED DOCUMENT

PART NUMBER

SSB-DL4823UWC-12V

REV.



ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C PER-MODULE V_f = 12 V

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		550		nm	
FORWARD VOLTAGE		12	14	V_f	
REVERSE VOLTAGE	10			V_r	V_r =100µA
LUMINOUS INTENSITY		350		cd/m^2	V_f = 12 V
EMITTED COLOR:	WHITE				
REFLECTOR FINISH:	CLEAR WITH FROSTED BOTTOM				

LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT *	100	mA
STEADY CURRENT	11	mA
POWER DISSIPATION	120	W
DERATE FROM 25°C	−1.2	mW/°C
OPERATING TEMP.	−20 TO +70	°C
STORAGE TEMP.	−30 TO +80	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

* t<10µS

NOTES:

1. BOTTOM REFLECTOR TAPE.
2. TOP DIFFUSER TAPE.

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*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= +DECIMAL PRECISION −0.00 MAX.= +0.00 −DECIMAL PRECISION

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48mm x 23mm LCD BACKLIGHT, DUAL SIDED, WHITE CHIPS, CLEAR LENS WITH MILKY WHITE DIFFUSER.

CONFIDENTIAL INFORMATION

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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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