
**Low-Dropout, Constant-Current
White LED with Dimming Control and Low Voltage Detect**

FEATURES

- Low Voltage Detection and Indication:
Detect Voltage Level Options by External Resistor
- Up to 700mA LED Bias Current
- External Resistor to set Output Current
- Simple LED Dimming Control
- Build-in Morse Code S.O.S Signal
and Single Flash Loop Flicker Function
- Low Dropout Voltage
- Low 0.05uA Shutdown Current
- 2.7V to 6V Supply Voltage Range
- TO-252, SOP-8 and SOT-23 lead-free
Package
- ESD Human Body Mode Over 4KV
- Thermal Protection 160 °C

GENERAL DESCRIPTION

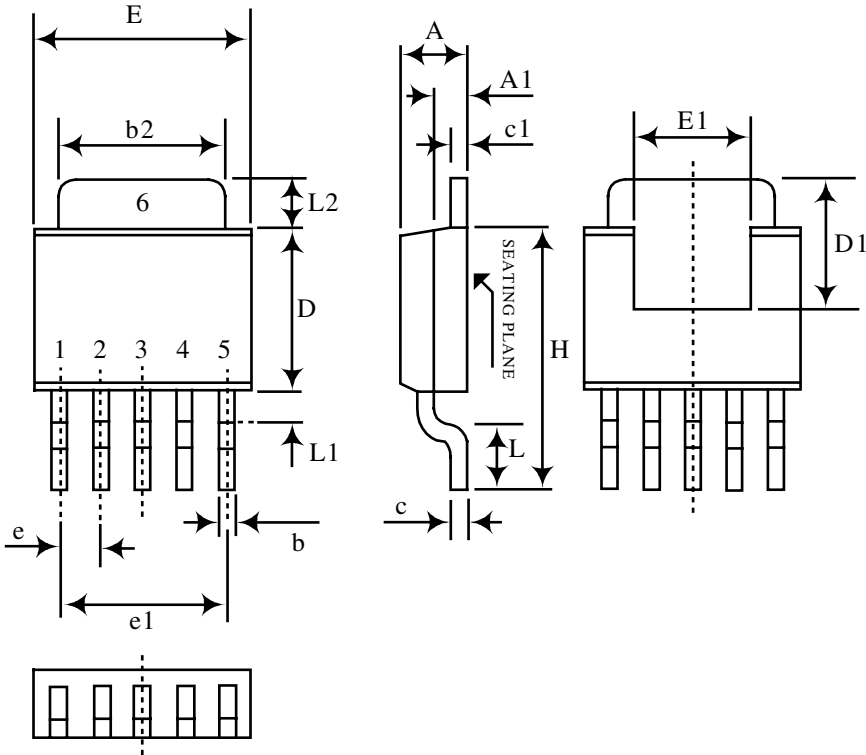
T6340A provides the low-dropout bias supply and the high performance alternative solution for the white LEDs application. The build-in Low Voltage Detection and Indication function can provide the internal LED dimming. Morse Code S.O.S Signal and Single Flash Loop Flicker Function are supported with the significantly lower dropout voltage. The T6340A is available in TO-252, SOP-8 and SOT-23 lead-free package.

APPLICATIONS

- Handheld Electronics
- Flash Light
- Lighting

PACKAGE DIMENSIONS

5-LEAD TO-252



Symbol	Dimension in inch		Dimension in mm	
	Min.	Max.	Min.	Max.
A	0.087	0.094	2.20	2.40
A1	0.040	0.050	1.00	1.27
b	0.016	0.24	0.40	0.60
b2	0.205	0.213	5.20	5.40
c	0.017	0.023	0.43	0.58
c1	0.017	0.023	0.43	0.58
D	0.213	0.224	5.40	5.70
D1	0.150 (REF.)		3.80 (REF.)	
E	0.250	0.262	6.35	6.65
E1	0.150 (REF.)		3.80 (REF.)	
e	0.050 (TYP.)		1.27 (TYP.)	
e1	0.200 (TYP.)		5.08 (TYP.)	
H	0.313	0.338	7.94	8.6
L	0.055	0.070	1.40	1.78
L1	0.043	0.047	1.09	1.19
L2	0.050	0.060	1.30	1.50