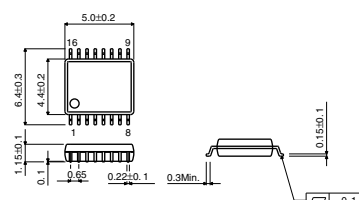


## Intelligent three-color LED driver BU8770FV

### ●Description

BU8770FV is a smart LED driver developed for cellular phones. This driver generates high-intensity LED driving voltage by stepping up  $V_{DD}$  in DC/DC converter with using the clock of the built-in oscillator. Each brightness of RGB color can be adjusted independently in 128 steps by PWM control.

### ●Dimension (Units : mm)



SSOP-B16

### ●Features

- 1) 128 steps PWM brightness control for each three color independently
- 2) DC/DC converter for LED driving
- 3) Low consumption stand-by circuit
- 4) Small SSOP-B16 package

### ●Applications

Cellular phones

### ●Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power supply voltage	$V_{DD}$	6.0	V
Operating temperature range	$T_{opr}$	-30 ~ +80	°C
Storage temperature range	$T_{stg}$	-40 ~ +125	°C

\* Derating : 4.5mW/°C for operation above Ta=25°C

