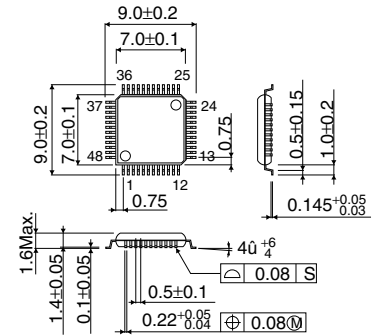


## 7ch switching regulator controller BD9713KV

### ● Description

BD9713KV is a PWM switching regulator controller IC. 7 channel switching regulator controllers are incorporated into a VQFP48 package. This IC can drive external P-channel FET directly. Reference voltage, triangular wave oscillator, PWM comparator, CMOS type driver, short-circuit protection circuit, and under voltage lock out circuit are all incorporated in this IC.

### ● Dimension (Unit : mm)



**VQFP48**

### ● Features

- 1) 7-channel driver for main switch are incorporated and P-Ch FET can be driven directly.
- 2) Built-in short circuit protection (Timer latch type) when over loaded
- 3) Built-in under voltage lock out circuit
- 4) All channels can be OFF or 5, 6, 7 channels can be set OFF independently.
- 5) Circuit current is 10 A or less, when all channels are OFF.
- 6) Built-in high-precision reference voltage circuit ( $\pm 1\%$ )

### ● Applications

Movie, DVC

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

Parameter	Symbol	Limits	Unit
Supply voltage	Vcc	15	V
Power dissipation	Pd	600	mW
Operating temperature range	Topr	-20 ~ +85	°C
Storage temperature range	Tstg	-55 ~ +125	°C

Derating : 6.0mW/°C for operation above Ta=25°C