



### DESCRIPTION

The AA18375 is a two-channel PWM DC-DC converter control IC that features low-voltage operation. This IC can obtain the step-up, step-down and inverting voltages with a small number of external components. Because the IC is compactly packaged, it is best suited for use as a power supply in portable equipment.

### FEATURES

- Wide supply voltage range: 3.6 V to 15 V
- Low current consumption: 1.6 mA typical
- Control in a wide output frequency range is possible (1 KHz to 500 KHz)
- Timer latch, short-circuit protection circuit is built in
- Circuit to prevent malfunction during low input voltage is built in
- Built-in reference voltage (1.28V) output pin
- Dead time period is adjustable over the whole range of duty ratio
- Synchronization operation is possible

### APPLICATIONS

- LCD Displays
- PDAs
- Digital Still Cameras
- Hand-held and portable instruments

### BLOCK DIAGRAM

