



## Short Circuits

### *Operation Using Solid Aluminum Electrolytic Capacitors*

#### Explanatory Notes

1. In case of capacitor failure, device circuits should be designed to limit current. The current limiting values for some solid aluminum electrolytic capacitors are specified in the product literature.
2. Immediately disconnect the main power supply of a device when a capacitor or any other problem has caused a short circuit.
3. If a large amount of current causes a capacitor to overheat and burn, the decomposition of the burning outer resin will discharge gasses. Do not expose your face to a burning capacitor. If you should inhale the gas, immediately gargle with water.

#### Precaution

1. If a large amount of current continuously flows into a capacitor that has failed due to a short circuit, the capacitor will overheat and damage the printed circuit board.
2. Design device circuits that prevent a continuous flow of current into the failed capacitor.