

# NEW PRODUCT INFORMATION

Under development

# IR3M30M/U

### **3-output DC-DC Converter for small/medium TFT-LCD panels**

## <Outline>

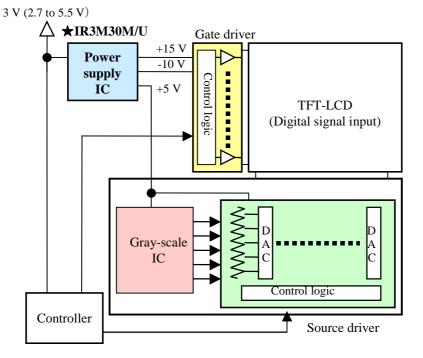
IR3M30M/U are DC-DC converters for small/medium TFT-LCD panels. These models make it possible to create a power supply system with a single chip, by offering three types of output voltages (-10 V, +5 V, +15 V) from a single +3 V operation, unlike a conventional system requiring multiple chips. In addition, the mounting area can be decreased due to its small 32 VQFN package (5 mm x 5 mm).

### <Main Specifications>

- PWM switching system
- Step-up type/Step-down type/Inverting type selectable (CH2)
- Built-in switching transistor (CH1/CH2)
- Selectable from output ON/OFF sequence
- Supply voltage: 2.7 to 5.5 V
- Supply current: 3 mA (TYP.)

# <System Configuration Example>

- Maximum duty: 80% (Step-up circuit) 100% (Step-down circuit)
- Internal oscillation frequency: 70 kHz to 1.0 MHz
- Reference voltage precision:  $\pm 1.5\%$
- Operating temperature: -40 to 85°C
- Package: 32QFP(P-QFP032-0707) 32VQFN(P-VQFN032-0505)



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