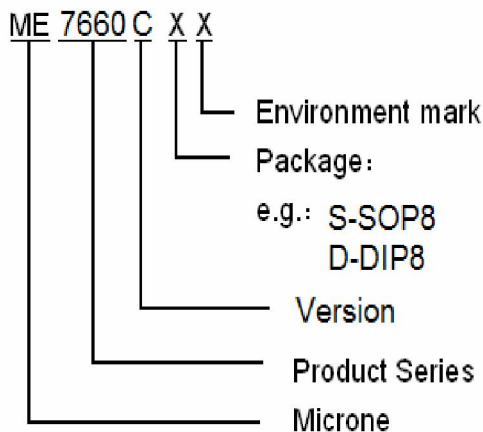


### ME7660C Charge Pump DC-DC Voltage Converter

**ME7660C** is a charge pump dc-to-dc voltage converter using AL-gate CMOS technology and optimization design. It converts a +2.5V to +10V input to a corresponding -2.5V to -10V output using only two external capacitors, eliminating inductors and their associated cost, size and EMI. The on-board oscillator operates at a nominal frequency of 10KHz. Operation below 10 KHz (for lower supply current applications) is possible by connecting an external capacitor from OSC to ground.

#### Selection Guide



#### Features

- Converts +5V Logic supply to  $\pm 5V$  ;
- Wide input voltage range: 2.5V~10V ;
- Efficient voltage conversion: 99.9% ;
- Good power efficiency: 98% ;
- Low power supply: 40uA @5V input ;
- Easy to use: only two external capacitors required ;
- Compatible with RS232 negative powersupply standard ;
- High ESD protection: up to 3kV ;
- No Dx diode needed for high voltage operation ;
- Package : SOP8, DIP8.

#### Applications

- LCD Display Module ;
- Specially designed LCD display module ;
- Instrument product.