

High Efficiency ,synchronous PFM step-up DC-DC converter

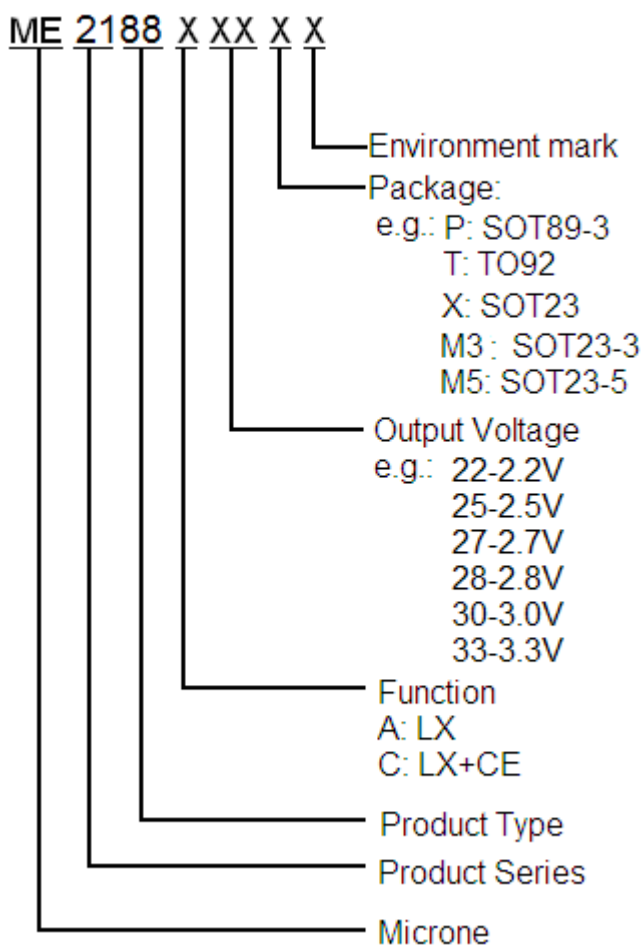
General Description

ME2188 Series is a PFM Step-up DC/DC converter IC with low supply current by CMOS process. High frequency noise that occurs during switching is reduced by using advanced circuit designed, output voltage is programmable in 0.1V steps between 1.8V~5.0V and maximum frequency is 350KHz(TYP.). A low ripple, high efficiency step-up DC/DC converter can be constructed of ME2188Xxx with only two external components. ME2188Xxx is suitable for use with battery-powered instruments with low noise and low supply current.

Features

- High efficiency: 95%
- Maximum frequency: 350KHz
- Low Quiescent Current: 13 μ A
- Input Voltage: 0.9V~5.0V
- Output Voltage Range:1.8V to 5.0V
- High Accuracy: \pm 2%
- Low ripple and Low noise
- Package:
SOT23-3, SOT23-5, SOT23, SOT89-3, TO-92

Selection Guide



Typical Application

- Power source for battery-powered equipment
- Power source for Wireless mouse,toys, Cameras, VCRs, PDAs, MP3, and Led lighting etc

Typical Application Circuit

