■ MEXX1C Series

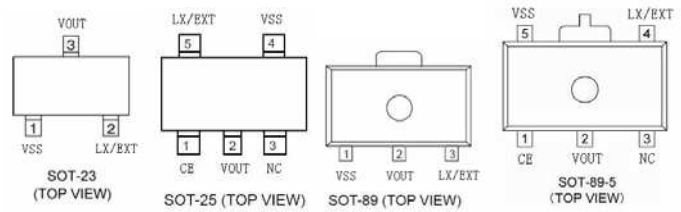
Description:

MEXX1C 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 2.0~7.0V and maximum frequency is 100KHz(Typ.).

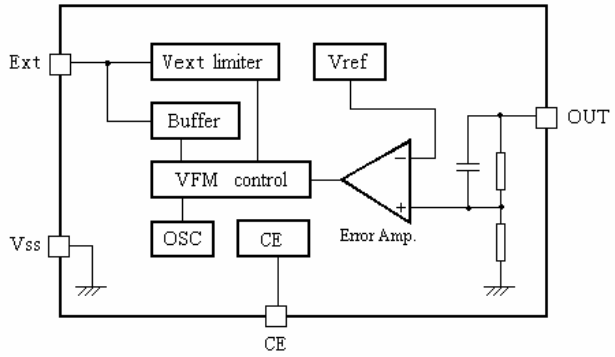
Feature:

- Operating voltage range：0.9V~8V
- Low start voltage：≤ 0.9V(at Iout=1mA)
- Output voltage range：2.0V~7.0V(step 0.1V)
- Output Current :250mA(e.g.:Vin=3.0V,Vout=3.3V)
- Package：SOT-23,SOT-89
- Low Power Consumption: 6uA (TYP.)
- Low ripple and low noise
- Maximum oscillator frequency:100KHz(TYP.)
- High Efficiency：85%(TYP.)
- Output voltage accuracy：±2.5%

Pin Configuration:



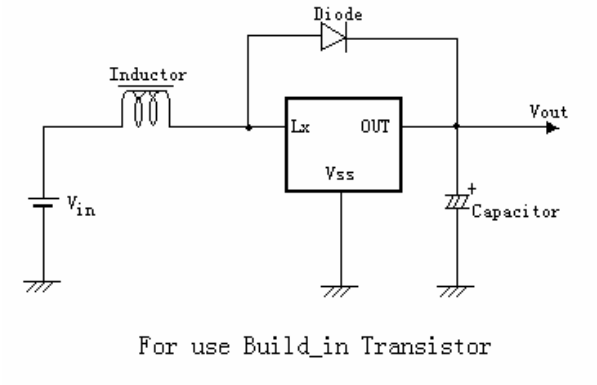
Functional Block Diagram:



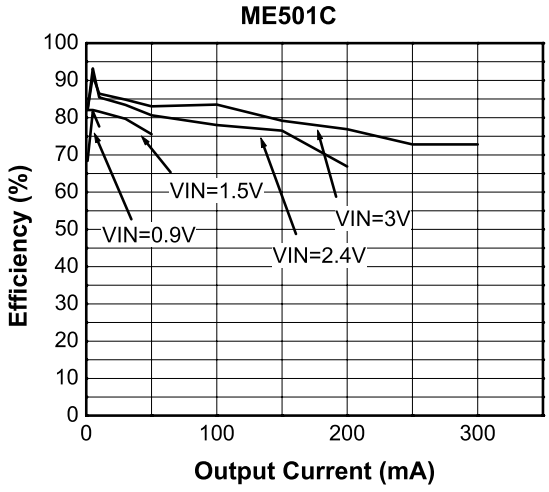
Application:

- Power source for battery-powered equipment
- Power source for wireless mouse, wireless keyboard, toys, cameras, camcorders, VCRs, PDAs, and hand-held communication ,LED Lighting etc.

Typical Application Circuit:



Typical Performance Characteristics:



■ MEXX1D Series

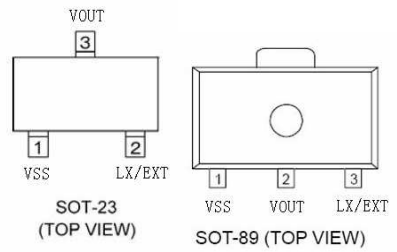
Description:

MEXX1D 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 2.0~7.0V and maximum frequency is 180KHz(Typ.).

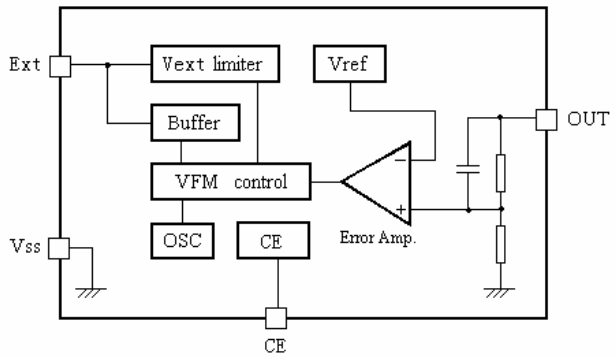
Feature:

- Operating voltage range：0.9V~8V
- Low start voltage：≤ 0.9V(at Iout=1mA)
- Output voltage range：2.0V~7.0V(step 0.1V)
- Output Current :250mA(e.g.:Vin=3.0V,Vout=5.0V)
- Package：SOT-23,SOT-89
- Low Power Consumption: 9uA (TYP.)
- Low ripple and low noise
- Maximum oscillator frequency:180KHz(TYP.)
- High Efficiency:85%(TYP.)
- Output voltage accuracy：±2.5%

Pin Configuration:



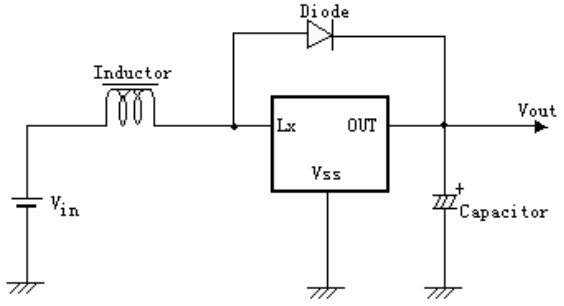
Functional Block Diagram:



Application:

- Power source for battery-powered equipment
- Power source for wireless mouse, wireless keyboard, toys, cameras, camcorders, VCRs, PDAs, and hand-held communication, Led lighting etc.

Typical Application Circuit:



For use Build_in Transistor

Typical Performance Characteristics: