

Green Operation & Auto Discharge LDO

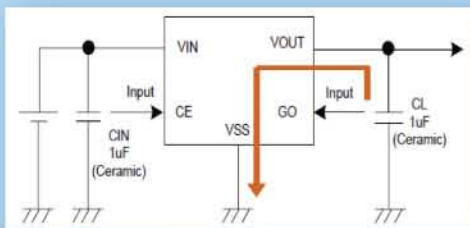
Go Function (For Lower power consumption)

GO provides high speed operation, low power consumption and high efficiencies by automatically switching between a high speed mode(HS) and a power save mode(PS) depending upon the load current level. The switching point of the GO to the output current is being fixed inside the IC. When only high-speed operation is required, it can be fixed by inputting a high level signal to the GO pin, thus providing operation conditions with the most suitable level of supply current for the application.

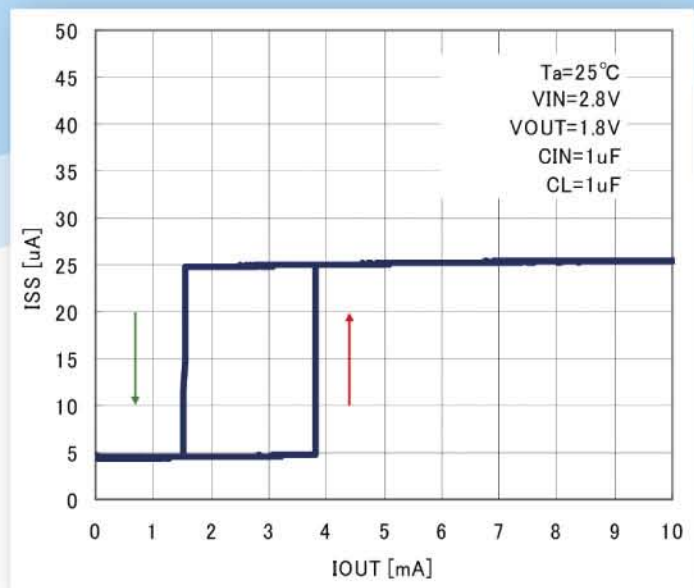
CL Auto Discharge (For High speed operation)

The CE function enables the circuit to be in stand-by mode by inputting level signal. In the stand-by mode, the series enables the electric charge at the output capacitor (CL) to be discharged via the internal auto-discharge resistance, and as a result the VOUT pin quickly returns to the VSS level.

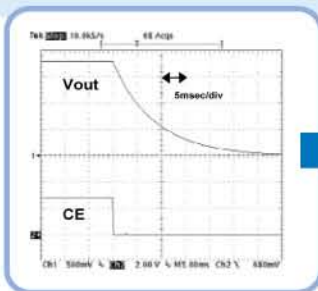
CL Auto Discharge



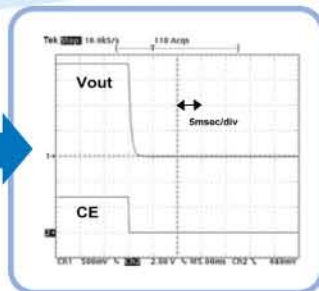
Green Operation



XC6221A Non Auto Discharge



XC6221B with Auto Discharge



Device Supply Current is automatically goes down when the system is in waiting mode

Torex GO Parts :
XC6217series, XC6207series

Torex Auto Discharge Parts:
XC6217series, XC6221series

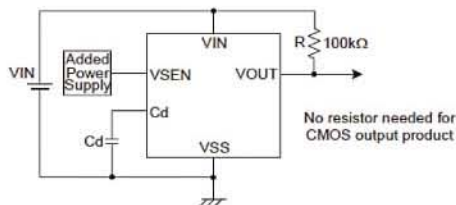


Power Management Solutions

TOREX...Powerfully Small!

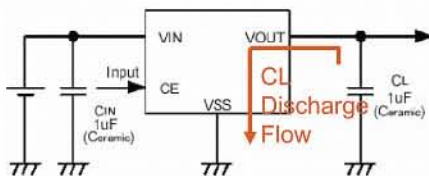
Reset IC with delay time setting pin - XC6108

- XC6108C : CMOS, XC6108N : Open Drain
- Voltage Selection 0.8V~5.0V in 0.1V step
- VDD Voltage Range 0.7V~6.0V
- LOW Power Supply 0.9 μ A
- SOT-25, USP-4 (1.2 x 1.6 x 0.6)



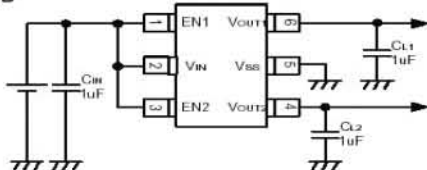
Torex High Speed LDO - XC6221

- Input Voltage : 1.6V~6.0V
- Output Voltage : 0.8V~5.0V
- Output Current 200mA
- LOW Dropout 0.08V at 100mA
- LOW Quiescent Current 25 μ A
- High PSRR 70dB at 1kHz
- CL Auto Discharge in XC6221B
- SOT-25, SSOT24(SC82), USP4(1.2 x 1.6 x 0.6)



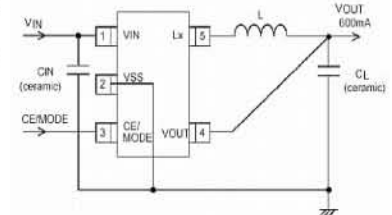
Dual LDO (High Speed & Low Quiescent Current) - XC6401

- Output Selection : 0.8V to 5.0V in 0.1V steps
- Output Current : 150mA (300mA limiter)
- High PSRR 70dB @ 1kHz
- LOW Quiescent 25 μ A/channel
- LOW Dropout 100mV @ 100mA
- Stable with 1 μ F Ceramic
- SOT26W, USP-6B



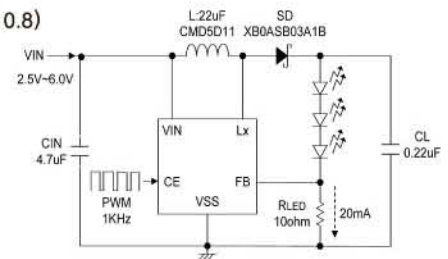
3MHz Step Down DC/DC - XC9236

- Output Voltage : 0.8V~4.0V
- Input Voltage : 1.8V~6.0V
- Frequency : 3MHz
- Quiescent Current : 15 μ A
- Output Current : 600mA
- USP-6C (1.8 x 2.0 x 0.6)



Step up DC/DC Converter for 4 White LED backlights - XC9116

- Input Range 2.5V~6.0V
- Frequency 1MHz
- High Efficiency 86%
- USP-6B (1.8 x 2.0 x 0.8)



XBS013S16

■ FEATURES

Forward Voltage : $V_F=0.71V$ (TYP.)
 Forward Current : $I_F(AV)=100mA$
 Repetitive Peak Reverse Voltage : $V_{RM}=30V$

■ ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATINGS	UNIT
Repetitive Peak Voltage	V_{RM}	30	V
Reverse Voltage(DC)	V_R	30	V
Forward Current(Average)	$I_{F(AV)}$	100	mA
Non Continuous Forward Surge Current*1	I_{FSM}	0.6	A
Junction Temperature	T_j	125	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55~+150	$^{\circ}C$

*1: Non continuous high amplitude 60Hz half-sine wave.