

Voltage Regulator ICs (Surface Mounting) ホルテージ レギュレータ IC (面実装用)



TK112□□AM Series / TK112□□AU Series

Features

- Small difference between input and output voltages. (0.16V at $I_o = 60\text{mA}$)
- High precision output voltage ($\pm 2.4\%$ or $\pm 80\text{mA}$)
- Low current consumption. ($170\mu\text{A}$ at $I_o = 0\text{mA}$, Max. 100nA at OFF mode)
- Over current protection provided.
- Over heating preventer provided.
- ON/OFF control possible for output voltage. (High level ON)
- Noise reduction available on.
- TK112□□AM - SOT23L package / TK112□□AU - SOT89 package

特長

- 入出力電圧差が小さい ($I_o = 60\text{mA}$ 時、0.16V)
- 高精度出力電圧 ($\pm 2.4\%$ または $\pm 80\text{mA}$)
- 低消費電流 ($I_o = 0\text{mA}$ 時 $170\mu\text{A}$ 、出力OFF時 100nA Max.)
- 過電流保護回路内蔵
- 過熱保護回路内蔵
- 出力電圧ON/OFF制御可能 (ハイレベル・オン)
- ノイズ低減端子付
- TK112□□AM - SOT23Lパッケージ / TK112□□AU - SOT89パッケージ

Specifications

Item	Standard
Input Voltage Range	1.8 to 14V
No Load Input Current	$170\mu\text{A}$
Line Regulation	20mV ; $V_{in} = (V_o + 1) \sim (V_o + 6)$
Load Regulation	50mV ; $I_o = 0\text{mA} \sim 60\text{mA}$

Item	Standard
Output Current, Max.	180mA
Output Voltage	2.0 to 8.0V (0.1V steps)
Output Voltage Tolerance	Depend on output voltage



TK113□□M Series / TK113□□U Series

Features

- Small difference between input and output voltages. (0.16V at $I_o = 60\text{mA}$)
- High precision output voltage ($\pm 2.4\%$ or 80mV)
- Low current consumption. ($170\mu\text{A}$ at $I_o = 0\text{mA}$, Max. 100nA at OFF mode)
- Over current protection provided.
- Over heating preventer provided.
- ON/OFF control possible for output voltage. (Low level ON)
- Noise reduction available on.
- TK113□□M - SOT23L package / TK113□□U - SOT89 package

特長

- 入出力電圧差が小さい ($I_o = 60\text{mA}$ 時、0.16V)
- 高精度出力電圧 ($\pm 2.4\%$ または 80mV)
- 低消費電流 ($I_o = 0\text{mA}$ 時 $170\mu\text{A}$ 、出力OFF時 100nA Max.)
- 過電流保護回路内蔵
- 過熱保護回路内蔵
- 出力電圧ON/OFF制御可能 (ローレベル・オン)
- ノイズ低減端子付
- TK113□□M - SOT23Lパッケージ / TK113□□U - SOT89パッケージ

Specifications

Item	Standard
Input Voltage Range	1.8 to 14V
No Load Input Current	$170\mu\text{A}$
Line Regulation	20mV ; $V_{in} = (V_o + 1) \sim (V_o + 6)$
Load Regulation	50mV ; $I_o = 0\text{mA} \sim 60\text{mA}$

Item	Standard
Output Current, Max.	180mA
Output Voltage	2.0 to 8.0V (0.1V steps)
Output Voltage Tolerance	Depend on output voltage



TK116□□U Series

Features

- Small difference between input and output voltages. (0.16V at $I_o = 80\text{mA}$)
- Low current consumption. ($400\mu\text{A}$ at $I_o = 0\text{mA}$, 2mA at $I_o = 60\text{mA}$)
- Over current protection provided.
- Over heating preventer provided.

特長

- 入出力電圧差が小さい ($I_o = 80\text{mA}$ 時、0.16V)
- 低消費電流 ($I_o = 0\text{mA}$ 時 $400\mu\text{A}$ 、 $I_o = 60\text{mA}$ 時 2mA)
- 過電流保護回路内蔵
- 過熱保護回路内蔵

Specifications

Item	Standard
Input Voltage Range	2.5 to 16V
No Load Input Current	$400\mu\text{A}$
Line Regulation	2mV ; $V_{in} = (V_o + 1) \sim (V_o + 6)$
Load Regulation	30mV ; $I_o = 0\text{mA} \sim 60\text{mA}$

Item	Standard
Output Current, Max.	190mA
Output Voltage	3.0 to 9.0V (0.25V steps)
Output Voltage Tolerance	Depend on output voltage