

## Product Overview

### KA7815AE: 3-Terminal 1A Positive Voltage Regulator

For complete documentation, see the data sheet.

The KA78XXE/KA78XXAE series of three-terminal positive regulator are available in the TO-220/D-PAK package and with several fixed output voltages, making them useful in a wide range of applications. Each type employs internal current limiting, thermal shut down and safe operating area protection, making it essentially indestructible. If adequate heat sinking is provided, they can deliver over 1A output current. Although designed primarily as fixed voltage regulators, these devices can be used with external components to obtain adjustable voltages and currents.

### Features

- Output current up to 1A
- Output voltages of 5, 6, 8, 9, 12, 15, 18, 24V
- Thermal overload protection
- Short circuit protection
- Output transistor safe operating area protection

### Applications

- This product is general usage and suitable for many different applications.

### Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V <sub>O</sub> (V)	I <sub>O</sub> Typ (A)	V <sub>I</sub> Min (V)	V <sub>I</sub> Max (V)	V <sub>DO</sub> Typ (V)	I <sub>q</sub> Typ (mA)	PSRR (dB)	Noise (μV <sub>rms</sub> )	Enable	Power Good	Package Type
KA7815AETU	Pb-free	Active	Single	Positive	15	1	7	35	2	5.2	58	90	No	No	TO-220-3

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