

LDO Regulator Pos 5V 0.5A Automotive 12-Pin PowerSSO EP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: HSSOP12

Product Type: Power Management ICs

Lifecycle: Active

General Description

L4995 is a family of monolithic integrated 5 V voltage regulators with a low drop voltage at currents of up to 500 mA, available in both 12 and 24 pin packages.

The output voltage regulating element consists of a p-channel MOS and regulation is performed regardless of input voltage transients of up to 40V. The high precision of the output voltage is obtained using a pre-trimmed reference voltage. The L4995 family is protected against short circuit and overtemperature protection switches off the devices in the case of extremely high power dissipation. The L4995 integrates the watchdog, enable and externally programmable reset circuits. The L4995A features the externally programmable reset and enable. Finally the L4995R features the externally programmable reset.

The combination of such features makes this device particularly flexible and suitable to supply microprocessor systems in automotive applications.

Key Features

AEC-Q100 qualified

Operating DC supply voltage range 5.6 V to 31 V

Low dropout voltage

Low quiescent current consumption

Reset circuit sensing of output voltage down to 1 V

Programmable reset pulse delay with external capacitor

Programmable watchdog timer with external capacitor

Thermal shutdown and short circuit protection

Wide temperature range ($T_j = -40\text{ }^\circ\text{C}$ to $150\text{ }^\circ\text{C}$)

Enable input for enabling/disabling the voltage regulator

Application

Auto Gain Control for Automotive Radio Antenna

Automotive Antenna

Automotive Radio Tuner

Recommended For You

TL431CDT

STMicroelectronics, Inc
SOP8

L4974A

STMicroelectronics, Inc
DIP20

L4941BV

STMicroelectronics, Inc
TO220

L4995JTR

STMicroelectronics, Inc
HSSOP12

L4981AD

STMicroelectronics, Inc
SOP20

L4981AD013TR

STMicroelectronics, Inc
SOP20

L4981BD

STMicroelectronics, Inc
SOP20

L4931ABD33-TR

STMicroelectronics, Inc
SOP-8

L4978

STMicroelectronics, Inc
DIP8

L4979MD013TR

STMicroelectronics, Inc
SOP-20

TL431ACZ-AP

STMicroelectronics, Inc
TO-92

L4984D

STMicroelectronics, Inc
SSOP10

TL431ACZ

STMicroelectronics, Inc
TO-92

TL431AIZ

STMicroelectronics, Inc
TO-92

TL431CL3T

STMicroelectronics, Inc
SOT23