

## LDO Regulator Pos 5V 0.5A Automotive 24-Pin PowerSSO EP Tube



Images are for reference only

<b>Manufacturer:</b>	<a href="#">STMicroelectronics, Inc</a>
<b>Package/Case:</b>	SSOP24
<b>Product Type:</b>	Power Management ICs
<b>Lifecycle:</b>	Active

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### 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**

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SOT23