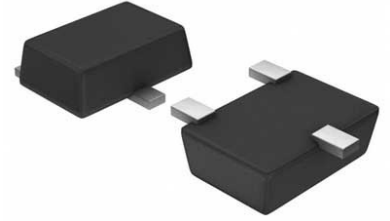


## LDO Regulator Pos 1.2V to 12V 0.3A Automotive 5-Pin SOT-23 T/R



Images are for reference only

[Inquiry](#)

**Manufacturer:** [STMicroelectronics, Inc](#)

**Package/Case:** SOT-23-5L

**Product Type:** Power Management ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The ST730 is 300 mA LDO regulator, designed to be used in several medium voltage applications.

Ultra-low quiescent current of 5  $\mu$ A makes it suitable for applications permanently connected to power supply/battery.

This feature is also useful when electronic modules remain permanently turned on.

The ST730 embeds protection functions, such as: current limit, short-circuit and thermal shutdown. The extended input voltage range, very low drop voltage and low quiescent current features make it suitable also for low power after-market automotive and consumer applications.

### Key Features

Wide input voltage range : 2.5 V to 28 V

Ultra-low quiescent current: typ. 5  $\mu$ A at no-load, 10  $\mu$ A max. across full temperature range, 1  $\mu$ A max. in shutdown

High output voltage accuracy:  $\pm 0.5\%$  @ 25  $^{\circ}$ C,  $\pm 2.5\%$  across temperature range

Output current up to 300 mA

Fixed output voltage versions, starting from 1.2 V to 12 V with 100 mV step

Adjustable voltage version, starting from 1.2 V to  $V_{IN} - V_{DROP}$

Stable with low ESR capacitors (0.47  $\mu$ F min.)

Thermal shutdown protection

Current limit and SOA protection

### Recommended For You

**STIS14PHR**

STMicroelectronics, Inc  
HSOP-8

**ST890CDR**

STMicroelectronics, Inc  
SOP-8

**STWD100YNYWY3F**

STMicroelectronics, Inc  
SOT23-5

**STC3100IQT**

STMicroelectronics, Inc  
QFN

**STM706TM6F**

STMicroelectronics, Inc  
SOP-8

**STWD100NYWY3F**

STMicroelectronics, Inc  
SOT23-5

**STPD01PUR**

STMicroelectronics, Inc  
24-QFN

**STGAP2SICSNTR**

STMicroelectronics, Inc  
SOIC-8

**STSPIN230**

STMicroelectronics, Inc  
VFQFPN16

**STNS01PUR**

STMicroelectronics, Inc  
DFN-12

**STWBC**

STMicroelectronics, Inc  
QFN32

**STWBC2**

STMicroelectronics, Inc  
SOP

**STMPS2171MIR**

STMicroelectronics, Inc  
SO-8

**STSPIN240**

STMicroelectronics, Inc  
QFN16

**STMPS2151MIR**

STMicroelectronics, Inc  
SOP8