

Programmable voltage reference

Features

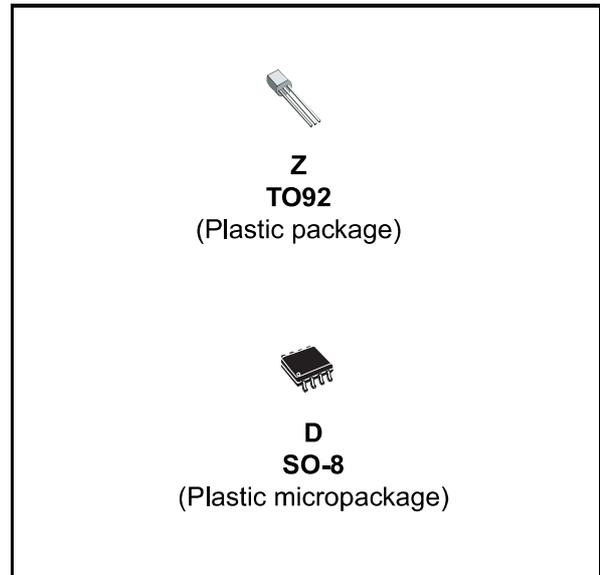
- Adjustable output voltage: 2.5 to 36V
- Sink current capability: 1 to 100mA
- Typical output impedance: 0.22Ω
- 1% and 2% voltage precision

Description

The TL431 is a programmable shunt voltage reference with guaranteed temperature stability over the entire operating temperature range.

The output voltage may be set to any value between 2.5V and 36V with two external resistors.

The TL431 operates with a wide current range from 1 to 100mA with a typical dynamic impedance of 0.22Ω



Order codes

Part number	Temperature range	Package	Packing	Marking
TL431CD/CDT	0°C to +70°C	SO-8	Tube or tape & reel	431C
TL431ACD/ACDT				431AC
TL431CZ/CZT/CZ-AP		TO92		TL431C
TL431ACZ/ACZT/ACZ-AP				TL431AC
TL431ID/IDT	-40°C to + 105°C	SO-8		431I
TL431AID/AIDT				431AI
TL431IZ/IZT/IZ-AP		TO92		TL431I
TL431AIZ/AIZT/AIZ-AP				TL431AI
TL431IYD/IYDT		SO-8 (automotive grade level)	431IY	
TL431AIYD/AIYDT			431AIY	