



Voltage Regulators

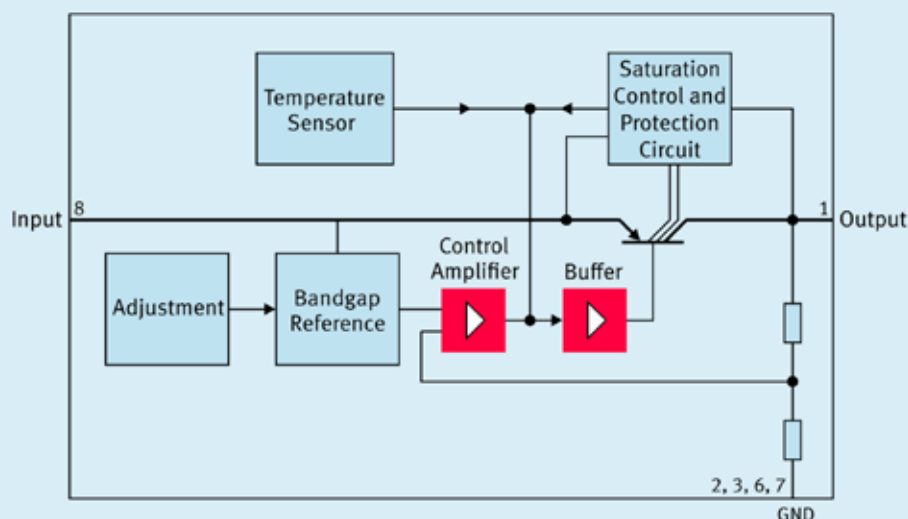
Reliable Power Management Solutions

Did you Know...

an increase in energy efficiency...

- Extends battery life
- Extends operating time
- Reduces cost

INFINEON TECHNOLOGIES offers a comprehensive portfolio of linear voltage regulators fitting a broad range of consumer, computing, communications and industrial applications. By leveraging our long standing and market leading experience in automotive power supplies application, we are expanding our portfolio to provide power supply solutions to our customer's current and future application needs.



IFX 2931 Block Diagram

www.infineon.com/industrial-voltage-regulators

Applications

- Industrial & consumer
- Manufacturing & automation
- HDTV & Flat panel monitors
- Appliances / White goods
- Battery chargers
- Battery powered instrumentation
- USB HUBs, routers, modems
- Post regulator for DC/DC converts
- Active SCSI terminators
- Cordless phones
- Metering systems
- Motor drives



Voltage Regulators

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Linear voltage Regulators for Industrial and Consumer Applications

- | | |
|---|--|
| <ul style="list-style-type: none"> ■ Pin-to-pin compatible to industry standard parts ■ High input voltage rating: Up to 45V ■ Very low dropout voltage ■ Temp. range: -40° to 125°C ■ Low current consumption | <ul style="list-style-type: none"> ■ Reverse polarity protection ■ Overtemperature protection ■ Overload protection ■ Overvoltage/Short-circuit protection |
|---|--|

Product	Package	Green	Regulator Type	Output voltage	Accuracy	Max Output Current
IFX 20001	PG-SCT595-5	Yes	Single Output	3.3,5.0	4.0%	30mA
IFX 2931	PG-DSO-8	Yes	Single Output	3.3,5.0	5.0%	100mA
IFX 24401	PG-SSOP-14	Yes	Single Output	5.0	2.0%	300mA
IFX 25001	PG-SOT-223,PG-TO-252,PG-TO-263,PG-TO-220	Yes	Single Output	2.5,3.3,5.0 8.5,10.0	4.0%	400mA
IFX 25401	PG-TO252,PG-TO-263	Yes	Single Output	5.0,adj	4.0%	400mA
IFX 8117	PG-SOT-223	Yes	Single Output	3.3,5.0,adj	2.0%	1000mA
IFX 27001	PG-TO-252	Yes	Single Output	1.5,1.8,2.6 3.3,5.0,adj	3.0%	1000mA

ALL OUR DEVICES are especially designed for use in harsh environments. Our robust design approach ensures delamination-free ICs and long-term reliability.

GREEN PRODUCTS (RoHS compliant) meet the world-wide customer requirements for being environmentally friendly products and to be compliant with government regulations. Green products are RoHS-Compliant.

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