

Image may be representation.
See specifications for product details.



TLS850B0TEV50ATMA1

Manufacturer Part Number	TLS850B0TEV50ATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-TLS850B0TEV50ATMA1
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG LINEAR 5V 500MA TO252-5
Package	TO-252-5, DPak (4 Leads + Tab), TO-252AD
Data sheet	TLS850B0TEV50.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

TLS850B0TEV50ATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology TLS850B0TEV50ATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for TLS850B0TEV50ATMA1, please send us email: info@allelco.com

Specifications

TLS850B0TEV50ATMA1 Tech Specifications
TLS850B0TEV50ATMA1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Output Type	Fixed
Voltage Dropout (Max)	0.5V @ 250mA	Output Configuration	Positive
Voltage - Output (Min/Fixed)	5V	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Output (Max)	-	Number of Regulators	1
Voltage - Input (Max)	40V	Mounting Type	Surface Mount
Supplier Device Package	PG-TO252-5	Current - Supply (Max)	33 µA
Series	Automotive, AEC-Q100, OPTIREG™	Current - Quiescent (Iq)	25 µA
Protection Features	Over Current, Over Temperature	Current - Output	500mA
Package / Case	TO-252-5, DPak (4 Leads + Tab), TO-252AD	Control Features	Enable
Package	Tape & Reel (TR)	Base Product Number	TLS850
PSRR	60dB (100Hz)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies TLS850B0TEV50ATMA1

Product Attribute				
Part Number	TLS850B0TEV50ATMA1	TLS810D1EJV50XUMA1	TLS850F1TAV50ATMA1	TLS810D1EJV33XUMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Voltage - Input (Max)	40V	42V	40V	42V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	TO-252-5, DPak (4 Leads + Tab), TO-252AD	8-SOIC (0.154", 3.90mm Width) Exposed Pad	TO-263-8, D ² Pak (7 Leads + Tab), TO-263CA	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Current - Quiescent (Iq)	25 µA	1 µA	5 µA	10 µA
Number of Regulators	1	1	1	1
PSRR	60dB (100Hz)	55dB (100Hz)	59dB (100Hz)	60dB (100Hz)
Output Configuration	Positive	Positive	Positive	Positive
Voltage - Output (Max)	-	-	-	-
Voltage - Output (Min/Fixed)	5V	5V	5V	3.3V
Current - Supply (Max)	33 µA	16 µA	82 µA	15 µA
Current - Output	500mA	100mA	500mA	100mA
Series	Automotive, AEC-Q100, OPTIREG™	Automotive, AEC-Q100, OPTIREG™	Automotive, AEC-Q100, OPTIREG™	Automotive, AEC-Q100, OPTIREG™
Protection Features	Over Current, Over Temperature	Over Current, Over Temperature, Short Circuit	Over Current, Over Temperature, Short Circuit	Over Current, Over Temperature
Base Product Number	TLS850	TLS810	TLS850	TLS810
Voltage Dropout (Max)	0.5V @ 250mA	0.55V @ 100mA	0.425V @ 250mA	0.65V @ 100mA
Output Type	Fixed	Fixed	Fixed	Fixed
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Control Features	Enable	Enable, Reset	Enable, Reset, Watchdog	Enable
Supplier Device Package	PG-TO252-5	PG-DSO-8	PG-TO263-7-1	PG-DSO-8
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

TLS850B0TEV50ATMA1 Datasheet PDF


Download TLS850B0TEV50ATMA1 pdf datasheets and Infineon Technologies documentation for TLS850B0TEV50ATMA1 - Infineon Technologies.

Datasheets

[TLS850B0TEV50.pdf](#)



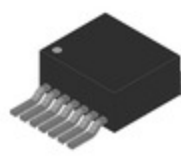




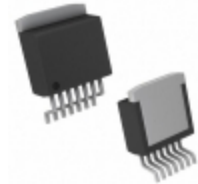




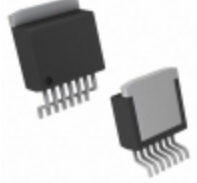





PCN Packaging

[Mult Dev Pkg Box Chg 3/Jan/2018.pdf](#)

 Mult Dev Wafer Site Add 5/Mar/2020.pdf

Customers Also Interested in

Recommended Products

 TLS810D1EJV50XUMA1 Infineon Technologies IC REG LIN 5V 100MA 8DSO E-PAD	 TLS9108BDBAR Texas Instruments	 TLS850F1TAV50ATMA1 Infineon Technologies IC REG LINEAR 5V 500MA TO263-7-1	 TLS810D1EJV33XUMA1 Infineon Technologies IC REG LIN 3.3V 100MA 8DSO E-PAD	 TLS850B0TEV50 Cypress Semiconductor (Infineon Technologies)	 TLS8202-U01 TLS
 TLS9109 Texas Instruments	 TLS850F0TAV50ATMA1 Infineon Technologies IC REG LINEAR 5V 500MA TO263-7-1	 TLS850B0TEV33 Cypress Semiconductor (Infineon Technologies)	 TLS850D0TEV50 Cypress Semiconductor (Infineon Technologies)	 TLSC3516 TLSC	 TLS835B2ELVSEXUMA1 Infineon Technologies IC REG LIN POS PROG 350MA SSOP14
 TLS850F0TAV33ATMA1 Infineon Technologies IC REG LIN 3.3V 500MA TO263-7-1	 TLS9110NSR Texas Instruments	 TLS810D1EJV50 Cypress Semiconductor (Infineon Technologies)	 TLS820D0ELV50XUMA1 Infineon Technologies IC REG LINEAR 5V 200MA SSOP-14-5	 TLS9108ADBAR Texas Instruments	 TLS820F0ELV33 Cypress Semiconductor (Infineon Technologies)

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
--	--	---

Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
--	--

Certifications & Memberships



[View More](#)

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com