

Image may be representation.
See specifications for product details.



ST1L05BPUR

Manufacturer Part Number	ST1L05BPUR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-ST1L05BPUR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG LINEAR POS ADJ 1.3A 6DFN
Package	6-VDFN Exposed Pad
Data sheet	ST1L05BPUR.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ST1L05BPUR - STMicroelectronics.New Original in Stock. Download Linear Technology ST1L05BPUR datasheet/specifications on AllelcoElec.com.
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Specifications

ST1L05BPUR Tech Specifications

ST1L05BPUR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	PSRR	72dB (120Hz)
Voltage Dropout (Max)	0.3V @ 1.3A (Typ)	Output Type	Adjustable
Voltage - Output (Min/Fixed)	1.22V	Output Configuration	Positive
Voltage - Output (Max)	6.7 V	Operating Temperature	0°C ~ 125°C
Voltage - Input (Max)	7V	Number of Regulators	1
Supplier Device Package	6-DFN (3x3)	Mounting Type	Surface Mount
Series	-	Current - Quiescent (Iq)	650 µA
Protection Features	Over Current, Over Temperature	Current - Output	1.3A
Package / Case	6-VDFN Exposed Pad	Control Features	Enable, Power Good
Package	Tape & Reel (TR)	Base Product Number	ST1L05

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics ST1L05BPUR

Product Attribute				
Part Number	ST1L05BPUR	ST1L04PT-R	ST1L05DPUR	ST1L08SPU12R
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Output	1.3A	1A	1.3A	800mA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	-	-	-
PSRR	72dB (120Hz)	50dB ~ 20dB (120Hz ~ 100kHz)	72dB (120Hz)	70dB ~ 30dB (100Hz ~ 1MHz)
Number of Regulators	1	1	1	1
Voltage - Output (Min/Fixed)	1.22V	0.8V	1.22V	1.2V
Package / Case	6-VDFN Exposed Pad	TO-252-5, DPak (4 Leads + Tab), TO-252AD	8-VDFN Exposed Pad	8-VDFN Exposed Pad
Operating Temperature	0°C ~ 125°C	0°C ~ 125°C	0°C ~ 125°C	-40°C ~ 125°C
Output Type	Adjustable	Adjustable	Adjustable	Fixed
Supplier Device Package	6-DFN (3x3)	PPAK	8-DFN-EP (4x4)	8-DFN (2x3)
Base Product Number	ST1L05	ST1L04	ST1L05	ST1L08
Voltage - Input (Max)	7V	10V	7V	5.5V
Control Features	Enable, Power Good	-	Power Good	Enable, Power Good
Current - Quiescent (Iq)	650 µA	3 mA	650 µA	35 µA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage Dropout (Max)	0.3V @ 1.3A (Typ)	1V @ 1A	0.3V @ 1.3A (Typ)	0.1V @ 800mA (Typ)
Voltage - Output (Max)	6.7 V	9V	6.7 V	-
Protection Features	Over Current, Over Temperature	Over Current, Over Temperature	Over Current, Over Temperature	Over Current, Over Temperature
Output Configuration	Positive	Positive	Positive	Positive

ST1L05BPUR Datasheet PDF

Download ST1L05BPUR pdf datasheets and STMicroelectronics documentation for ST1L05BPUR - STMicroelectronics.

PCN Packaging



















Box Label Chg 28/Jul/2016.pdf

PCN Design/Specification

IPG-IPC/14/8692 03/Oct/2014.pdf

Customers Also Interested in

Recommended Products

 ST1PS02BQTR STMicroelectronics 400MA NANO-QUIESCENT SYNCHRONOUS	 ST1G3234BJR/P1 STMicroelectronics	 ST1L02APMR STMicroelectronics	 ST1L04PT-R STMicroelectronics IC REG LINEAR POS ADJ 1A PPAK	 ST1L05DPUR STMicroelectronics IC REG LINEAR POS ADJ 1.3A 8DFN	 ST1L08SPU12R STMicroelectronics IC REG LINEAR 1.2V 800MA 8DFN
 ST1L02PM25R STMicroelectronics	 ST1S03APUR STMicroelectronics IC REG BUCK ADJUSTABLE 1.5A 6DFN	 ST1S03 STMicroelectronics	 ST1L02PU25R STMicroelectronics IC REG LINEAR 2.5V 1A 6DFN	 ST1L08PUR STMicroelectronics IC REG LINEAR POS ADJ 800MA 8DFN	 ST1PS01EJR STMicroelectronics IC REG BUCK 8FLIPCHIP
 ST1PS01FJR STMicroelectronics 400MA NANO-QUIESCENT SYNCHRONOUS	 ST1L05CPU33R STMicroelectronics IC REG LINEAR 3.3V 1.3A 6DFN	 ST1L05APU33R STMicroelectronics IC REG LINEAR 3.3V 1.3A 6DFN	 ST1G3236DTR STMicroelectronics IC TRANSLTR BIDIRECTIONAL 6DFN	 ST1L0225 STMicroelectronics	 ST1L05PU25R STMicroelectronics IC REG LINEAR 2.5V 1.3A 6DFN

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.



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

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