



Image may be representation.
See specifications for product details.



TSC2010IYDT

Manufacturer Part Number	TSC2010IYDT
Manufacturer	STMicroelectronics
Allelco Part Number	32D-TSC2010IYDT
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC CURRENT SENSE 1 CIRCUIT 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	TSC2010-12.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

TSC2010IYDT - STMicroelectronics.New Original in Stock. Download Linear Technology TSC2010IYDT datasheet/specifications on AllelcoElec.com.
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Specifications

TSC2010IYDT Tech Specifications
TSC2010IYDT - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 125°C
Voltage - Supply Span (Min)	2.7 V	Number of Circuits	1
Voltage - Supply Span (Max)	5.5 V	Mounting Type	Surface Mount
Voltage - Input Offset	500 µV	Current - Supply	1.6mA
Supplier Device Package	8-SOIC	Current - Output / Channel	36 mA
Slew Rate	7.5V/µs	Current - Input Bias	350 µA
Series	-	Base Product Number	TSC2010
Package / Case	8-SOIC (0.154", 3.90mm Width)	Amplifier Type	Current Sense
Package	Tape & Reel (TR)	-3db Bandwidth	820 kHz
Output Type	-		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics TSC2010IYDT

Product Attribute				
Part Number	TSC2010IYDT	TSC2011IST	TSC2013QRSARQ1	TSC2007IYZGT
Manufacturer	STMicroelectronics	STMicroelectronics	Texas Instruments	Texas Instruments
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C (TA)	-40°C ~ 125°C	-40°C ~ 85°C
Supplier Device Package	8-SOIC	8-MiniSO	16-QFN (4x4)	12-DSBGA
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	16-VQFN Exposed Pad	12-UFBGA, DSBGA
-3db Bandwidth	820 kHz	750 kHz	-	-
Current - Input Bias	350 µA	350 µA	-	-
Amplifier Type	Current Sense	Current Sense	-	-
Current - Output / Channel	36 mA	36 mA	-	-
Voltage - Supply Span (Max)	5.5 V	5.5 V	-	-
Slew Rate	7.5V/µs	3.5V/µs	-	-
Current - Supply	1.6mA	1.6mA	655 µA	226.2 µA
Output Type	-	-	-	-
Voltage - Supply Span (Min)	2.7 V	2.7 V	-	-
Number of Circuits	1	1	-	-
Series	-	-	Automotive, AEC-Q100	-
Voltage - Input Offset	500 µV	500 µV	-	-
Base Product Number	TSC2010	TSC2011	TSC2013	TSC2007
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

TSC2010IYDT Datasheet PDF

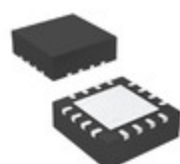
Download TSC2010IYDT pdf datasheets and STMicroelectronics documentation for TSC2010IYDT - STMicroelectronics.

Datasheets

TSC2010-12.pdf

Customers Also Interested in

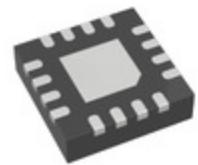
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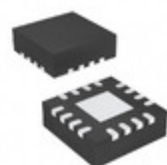
TSC2013QRSARQ1
Texas Instruments
IC SCREEN CNTRL 12BIT 16QFN



TSC2007IYZGT
Texas Instruments
IC SCREEN CNTRL 12BIT 12DSBGA



TSC2013QPWRQ1
Texas Instruments
IC SCREEN CNTRL 12BIT 16TSSOP



TSC2008IYZGT
Texas Instruments
IC SCREEN CNTRL 12BIT 12DSBGA



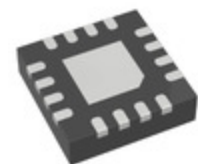
TSC2013QP
Texas Instruments



TSC2014IYZGR
Texas Instruments
IC SCREEN CNTRL 12BIT 12DSBGA



TSC2013QPW
Texas Instruments



TSC2008IRGVT
Texas Instruments
IC SCREEN CNTRL 12BIT 16QFN



TSC2008TRGVRQ1
Texas Instruments
IC SCREEN CNTRL 12BIT 16FN



TSC2011IST
STMicroelectronics
IC CURR SENSE 1 CIRCUIT 8MINISO



TSC2017IYZGR
Texas Instruments
IC SCREEN CNTRL 12BIT 12DSBGA



TSC2008IGVR
Texas Instruments



TSC2008IRGVR
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TSC2014IYZGT
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TSC2007WCSP
Texas Instruments

TSC2007IYZQT
Texas Instruments

TSC2008IYZGR
Texas Instruments
IC SCREEN CNTRL 12BIT 12DSBGA

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

Contact us if you have any questions.

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

Certifications & Memberships



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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