



Image may be representation.  
See specifications for product details.



## TCLT1009

Manufacturer Part Number	<b>TCLT1009</b>
Manufacturer	<b>Vishay Semiconductor - Opto Division</b>
Allelco Part Number	32D-TCLT1009
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	OPTOISOLATR 5KV TRANSISTOR 4-SOP
Package	4-SMD, Gull Wing
Data sheet	<a href="#">Cylindrical Battery Holders.pdf</a>
	<a href="#">TCLT100. Series.pdf</a>
RoHs Status	ROHS3 Compliant

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TCLT1009 - Vishay Semiconductor Opto Division. New Original in Stock. Download Linear Technology TCLT1009 datasheet/specifications on AllelcoElec.com.  
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## Specifications

TCLT1009 Tech Specifications

TCLT1009 - Vishay Semiconductor Opto Division technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay Semiconductor - Opto Division	Output Type	Transistor
Voltage - Output (Max)	70V	Operating Temperature	-55°C ~ 100°C
Voltage - Isolation	5000Vrms	Number of Channels	1
Voltage - Forward (Vf) (Typ)	1.25V	Mounting Type	Surface Mount
Vce Saturation (Max)	300mV	Input Type	DC
Turn On / Turn Off Time (Typ)	6µs, 5µs	Current Transfer Ratio (Min)	200% @ 5mA
Supplier Device Package	4-SOP	Current Transfer Ratio (Max)	400% @ 5mA
Series	-	Current - Output / Channel	50mA
Rise / Fall Time (Typ)	3µs, 4.7µs	Current - DC Forward (If) (Max)	60 mA
Package / Case	4-SMD, Gull Wing	Base Product Number	TCLT1009
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Semiconductor Opto Division TCLT1009

Product Attribute				
Part Number	TCLT1009	<b>TCLT1016</b>	<b>TCLT1014</b>	<b>TCLT1002</b>
Manufacturer	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division
Series	-	-	-	-
Base Product Number	TCLT1009	TCLT1016	TCLT1014	TCLT1002
Voltage - Isolation	5000Vrms	5000Vrms	5000Vrms	5000Vrms
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	4-SOP	4-SOP	4-SOP	4-SOP
Number of Channels	1	1	1	1
Voltage - Forward (Vf) (Typ)	1.25V	1.25V	1.25V	1.25V
Current Transfer Ratio (Min)	200% @ 5mA	100% @ 5mA	160% @ 10mA	63% @ 10mA
Vce Saturation (Max)	300mV	300mV	300mV	300mV
Input Type	DC	DC	DC	DC
Operating Temperature	-55°C ~ 100°C	-55°C ~ 110°C	-55°C ~ 110°C	-55°C ~ 100°C
Current Transfer Ratio (Max)	400% @ 5mA	300% @ 5mA	320% @ 10mA	125% @ 10mA
Turn On / Turn Off Time (Typ)	6µs, 5µs	6µs, 5µs	6µs, 5µs	6µs, 5µs
Output Type	Transistor	Transistor	Transistor	Transistor
Current - DC Forward (If) (Max)	60 mA	60 mA	60 mA	60 mA
Package / Case	4-SMD, Gull Wing	4-SMD, Gull Wing	4-SMD, Gull Wing	4-SMD, Gull Wing
Voltage - Output (Max)	70V	70V	70V	70V
Rise / Fall Time (Typ)	3µs, 4.7µs	3µs, 4.7µs	3µs, 4.7µs	3µs, 4.7µs
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Output / Channel	50mA	50mA	50mA	50mA

## TCLT1009 Datasheet PDF

Download TCLT1009 pdf datasheets and Vishay Semiconductor Opto Division documentation for TCLT1009 - Vishay Semiconductor Opto Division.

### Datasheets



















[Cylindrical Battery Holders.pdf](#)

### HTML Datasheet

[TCLT100. Series.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>TCLT1016</b> Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-6L4	<b>TCLT1003-3035</b> Electro-Films (EFI) / Vishay	<b>TCLT1014</b> Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-6L4	<b>TCLT1002</b> Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP	<b>TCLT1012</b> Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-6L4	<b>TCLT1005</b> Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP
					
<b>TCLT1018</b> Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-6L4	<b>TCLT1013</b> Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-6L4	<b>TCLT1008</b> Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP	<b>TCLT1017</b> Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-6L4	<b>TCLT1006</b> Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP	<b>TCLT1003</b> Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP
					
<b>TCLT1014-0001</b> Electro-Films (EFI) / Vishay	<b>TCLT1014-4108</b> Electro-Films (EFI) / Vishay	<b>TCLT1010</b> Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-6L4	<b>TCLT1002-LB</b> Electro-Films (EFI) / Vishay	<b>TCLT1007</b> Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP	<b>TCLT1004</b> Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-4L

## 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 Alleco 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@alleco.com

### Certifications & Memberships



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### Contact us

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