



Image may be representation.
See specifications for product details.



TCLT1000

Manufacturer Part Number	TCLT1000
Manufacturer	Vishay Semiconductor - Opto Division
Allelco Part Number	32D-TCLT1000
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	OPTOISOLATR 5KV TRANSISTOR 4-SOP
Package	4-SMD, Gull Wing
Data sheet	TCLT100. Series.pdf TCLT100. Series.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

TCLT1000 - Vishay Semiconductor Opto Division.New Original in Stock. Download Linear Technology TCLT1000 datasheet/specifications on AllelcoElec.com.
Request a quote for TCLT1000, please send us email: info@allelco.com

Specifications

TCLT1000 Tech Specifications

TCLT1000 - 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)	50% @ 5mA
Supplier Device Package	4-SOP	Current Transfer Ratio (Max)	600% @ 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	TCLT1000
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Semiconductor Opto Division TCLT1000

Product Attribute				
Part Number	TCLT1000	TCLT1003	TCLT1007	TCLT1004
Manufacturer	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division
Input Type	DC	DC	DC	DC
Current Transfer Ratio (Min)	50% @ 5mA	100% @ 10mA	80% @ 5mA	160% @ 10mA
Supplier Device Package	4-SOP	4-SOP	4-SOP	4-SOP
Operating Temperature	-55°C ~ 100°C	-55°C ~ 100°C	-55°C ~ 100°C	-55°C ~ 100°C
Series	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Turn On / Turn Off Time (Typ)	6µs, 5µs	6µs, 5µs	6µs, 5µs	6µs, 5µs
Voltage - Isolation	5000Vrms	5000Vrms	5000Vrms	5000Vrms
Output Type	Transistor	Transistor	Transistor	Transistor
Current - Output / Channel	50mA	50mA	50mA	50mA
Voltage - Forward (Vf) (Typ)	1.25V	1.25V	1.25V	1.25V
Vce Saturation (Max)	300mV	300mV	300mV	300mV
Number of Channels	1	1	1	1
Base Product Number	TCLT1000	TCLT1003	TCLT1007	TCLT1004
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
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
Current Transfer Ratio (Max)	600% @ 5mA	200% @ 10mA	160% @ 5mA	320% @ 10mA
Rise / Fall Time (Typ)	3µs, 4.7µs	3µs, 4.7µs	3µs, 4.7µs	3µs, 4.7µs
Current - DC Forward (If) (Max)	60 mA	60 mA	60 mA	60 mA

TCLT1000 Datasheet PDF

Download TCLT1000 pdf datasheets and Vishay Semiconductor Opto Division documentation for TCLT1000 - Vishay Semiconductor Opto Division.

Datasheets



















[TCLT100. Series.pdf](#)

HTML Datasheet

[TCLT100. Series.pdf](#)

Customers Also Interested in

Recommended Products

 TCLT1003 Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP	 TCLLZ7V5 JTAKCHEONG	 TCLT1007 Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP	 TCLLZ5V6 TAKCHEONG	 TCLLZ5V1 JTAKCHEONG	 TCLT1004 Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-4L
 TCLT1006 Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP	 TCLT1001 Vishay Semiconductor Opto Division OPTOISOLATOR 5KV TRANS SOP-4L	 TCLLZ8V2 JTAKCHEONG	 TCLLZ4V7 JTAKCHEONG	 TCLLZ3V9 JTAKCHEONG	 TCLLZ5251B JTAKCHEONG
 TCLT1002 Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP	 TCLT1005 Vishay Semiconductor Opto Division OPTOISOLATR 5KV TRANSISTOR 4-SOP	 TCLT1003-3035 Electro-Films (EFI) / Vishay	 TCLT1000DKR-ND Electro-Films (EFI) / Vishay	 TCLLZ6V2 TAKCHEONG	 TCLLZ47V TC

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
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Certifications & Memberships



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