



Image may be representation.
See specifications for product details.



TCMT1100

Manufacturer Part Number	TCMT1100
Manufacturer	Vishay Semiconductor - Opto Division
Allelco Part Number	32D-TCMT1100
ECAD Model	PCB Footprint and Symbol
Parts Description	OPTOISOLATOR 3.75KV TRANS 4-SOP
Package	4-SOIC (0.173", 4.40mm Width)
Data sheet	Cylindrical Battery Holders.pdf
	TCMT1100 - TCMT1109.pdf
RoHs Status	ROHS3 Compliant

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TCMT1100 - Vishay Semiconductor Opto Division. New Original in Stock. Download Linear Technology TCMT1100 datasheet/specifications on AllelcoElec.com.
Request a quote for TCMT1100, please send us email: info@allelco.com

Specifications

TCMT1100 Tech Specifications

TCMT1100 - 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	-40°C ~ 100°C
Voltage - Isolation	3750Vrms	Number of Channels	1
Voltage - Forward (Vf) (Typ)	1.35V	Mounting Type	Surface Mount
Vce Saturation (Max)	300mV	Input Type	DC
Turn On / Turn Off Time (Typ)	9.5µs, 8.5µs	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)	5.5µs, 7µs	Current - DC Forward (If) (Max)	60 mA
Package / Case	4-SOIC (0.173", 4.40mm Width)	Base Product Number	TCMT1100
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Semiconductor Opto Division TCMT1100

Product Attribute				
Part Number	TCMT1100	TCMT1101	TCMT1109	TCMT1107
Manufacturer	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division
Voltage - Forward (Vf) (Typ)	1.35V	1.35V	1.35V	1.35V
Output Type	Transistor	Transistor	Transistor	Transistor
Supplier Device Package	4-SOP	4-SOP	4-SOP	4-SOP
Number of Channels	1	1	1	1
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	4-SOIC (0.173", 4.40mm Width)	4-SOIC (0.173", 4.40mm Width)	4-SOIC (0.173", 4.40mm Width)	4-SOIC (0.173", 4.40mm Width)
Rise / Fall Time (Typ)	5.5µs, 7µs	5.5µs, 7µs	5.5µs, 7µs	5.5µs, 7µs
Current Transfer Ratio (Max)	600% @ 5mA	80% @ 10mA	400% @ 5mA	160% @ 5mA
Current Transfer Ratio (Min)	50% @ 5mA	40% @ 10mA	200% @ 5mA	80% @ 5mA
Voltage - Isolation	3750Vrms	3750Vrms	3750Vrms	3750Vrms
Turn On / Turn Off Time (Typ)	9.5µs, 8.5µs	9.5µs, 8.5µs	9.5µs, 8.5µs	9.5µs, 8.5µs
Vce Saturation (Max)	300mV	300mV	300mV	300mV
Series	-	-	-	-
Voltage - Output (Max)	70V	70V	70V	70V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - DC Forward (If) (Max)	60 mA	60 mA	60 mA	60 mA
Base Product Number	TCMT1100	TCMT1101	TCMT1109	TCMT1107
Current - Output / Channel	50mA	50mA	50mA	50mA
Input Type	DC	DC	DC	DC
Operating Temperature	-40°C ~ 100°C	-40°C ~ 100°C	-40°C ~ 100°C	-40°C ~ 100°C

TCMT1100 Datasheet PDF

Download TCMT1100 pdf datasheets and Vishay Semiconductor Opto Division documentation for TCMT1100 - Vishay Semiconductor Opto Division.

Datasheets

[Cylindrical Battery Holders.pdf](#)



















PCN Design/Specification

[Cylindrical Battery Holders.pdf](#)

 TCMT1100 - TCMT1109.pdf

Customers Also Interested in

Recommended Products

 TCMT1021 TEMIC	 TCMT1020 TEMIC	 TCMT1101 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 TCMT1109 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 TCMT1107 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 TCMMBTH24LTR AMI Semiconductor/onsemi
 TCMM5Z6V2 TAKCHEONG	 TCMT1103 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 TCMT1105 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 TCMT1023 TEMIC	 TCMT1110 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 TCMT1022 TEMIC
 TCMT1106 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 TCMT1009 Electro-Films (EFI) / Vishay	 TCMT1104 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 TCMT1102 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 TCMT1000 Electro-Films (EFI) / Vishay	 TCMT1108 Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP

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
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Contact us if you have any questions.

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Certifications & Memberships



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Contact us

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