



Image may be representation.  
See specifications for product details.



## TCMT1106

Manufacturer Part Number	<b>TCMT1106</b>
Manufacturer	<b>Vishay Semiconductor - Opto Division</b>
Allelco Part Number	32D-TCMT1106
ECAD Model	PCB Footprint and Symbol
Parts Description	OPTOISOLATOR 3.75KV TRANS 4-SOP
Package	4-SOIC (0.173', 4.40mm Width)
Data sheet	<a href="#">Cylindrical Battery Holders.pdf</a>
	<a href="#">TCMT1100 - TCMT1109.pdf</a>
RoHs Status	ROHS3 Compliant

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TCMT1106 - Vishay Semiconductor Opto Division. New Original in Stock. Download Linear Technology TCMT1106 datasheet/specifications on AllelcoElec.com.  
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## Specifications

TCMT1106 Tech Specifications

TCMT1106 - 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)	100% @ 5mA
Supplier Device Package	4-SOP	Current Transfer Ratio (Max)	300% @ 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	TCMT1106
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Semiconductor Opto Division TCMT1106

Product Attribute				
Part Number	TCMT1106	<b>TCMT1111</b>	<b>TCMT1113</b>	<b>TCMT1102</b>
Manufacturer	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division
Vce Saturation (Max)	300mV	300mV	300mV	300mV
Voltage - Forward (Vf) (Typ)	1.35V	1.15V	1.15V	1.35V
Base Product Number	TCMT1106	TCMT1111	TCMT1113	TCMT1102
Voltage - Isolation	3750Vrms	3750Vrms	3750Vrms	3750Vrms
Rise / Fall Time (Typ)	5.5µs, 7µs	3µs, 4µs	3µs, 4µs	5.5µs, 7µs
Turn On / Turn Off Time (Typ)	9.5µs, 8.5µs	5µs, 3µs	5µs, 3µs	9.5µs, 8.5µs
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Output Type	Transistor	Transistor	Transistor	Transistor
Current - Output / Channel	50mA	50mA	50mA	50mA
Number of Channels	1	1	1	1
Current - DC Forward (If) (Max)	60 mA	50 mA	50 mA	60 mA
Current Transfer Ratio (Max)	300% @ 5mA	80% @ 10mA	200% @ 10mA	125% @ 10mA
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)
Current Transfer Ratio (Min)	100% @ 5mA	40% @ 10mA	100% @ 10mA	63% @ 10mA
Operating Temperature	-40°C ~ 100°C	-40°C ~ 110°C	-40°C ~ 110°C	-40°C ~ 100°C
Voltage - Output (Max)	70V	70V	70V	70V
Input Type	DC	DC	DC	DC
Series	-	-	-	-
Supplier Device Package	4-SOP	4-SOP	4-SOP	4-SOP

## TCMT1106 Datasheet PDF

Download TCMT1106 pdf datasheets and Vishay Semiconductor Opto Division documentation for TCMT1106 - 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**

 <b>TCMT1111</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 <b>TCMT1113</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 <b>TCMT1102</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 <b>TCMT1107</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 <b>TCMT1110</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 <b>TCMT1108</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP
 <b>TCMT1116</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 <b>TCMT1118</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 <b>TCMT1109</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 <b>TCMT1117</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 <b>TCMT1101</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 <b>TCMT1022</b> TEMIC
 <b>TCMT1100</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 <b>TCMT1103</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 <b>TCMT1104</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 <b>TCMT1105</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4-SOP	 <b>TCMT1114</b> Vishay Semiconductor Opto Division OPTOISOLATOR 3.75KV TRANS 4SOP	 <b>TCMT1023</b> TEMIC

**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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