



# TCUT1300X01

Manufacturer Part Number	<b>TCUT1300X01</b>
Manufacturer	<b>Vishay Semiconductor - Opto Division</b>
Allelco Part Number	32D-TCUT1300X01
ECAD Model	Request Free CAD Models
Parts Description	SENSOR OPT SLOT PHOTOTRANS 6SMD
Package	6-SMD
Data sheet	<a href="#">TCUT1300X01.pdf</a> <a href="#">TCUT1300X01.pdf</a>
RoHS Status	ROHS3 Compliant



**Get a Quote**

TCUT1300X01 - Vishay Semiconductor Opto Division. New Original in Stock. Download Linear Technology TCUT1300X01 datasheet/specifications on AllelcoElec.com.  
Request a quote for TCUT1300X01, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

TCUT1300X01 Tech Specifications

TCUT1300X01 - Vishay Semiconductor Opto Division technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay Semiconductor - Opto Division	Package	Tape & Reel (TR)
Voltage - Collector Emitter Breakdown (Max)	20 V	Output Configuration	Phototransistor
Type	Unamplified	Operating Temperature	-40°C ~ 105°C
Series	Automotive, AEC-Q101	Mounting Type	Surface Mount
Sensing Method	Through-Beam	Current - DC Forward (If) (Max)	25 mA
Sensing Distance	0.118" (3mm)	Current - Collector (Ic) (Max)	20 mA
Response Time	20µs, 30µs	Base Product Number	TCUT1300
Package / Case	6-SMD		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Semiconductor Opto Division TCUT1300X01

Product Attribute				
Part Number	TCUT1300X01	TCUT1600X01	ITR8102	EE-SX1042
Manufacturer	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Everlight Electronics Co Ltd	Omron Electronics Inc-EMC Div
Current - Collector (Ic) (Max)	20 mA	20 mA	30 mA	20 mA
Current - DC Forward (If) (Max)	25 mA	25 mA	50 mA	50 mA
Sensing Method	Through-Beam	Through-Beam	Through-Beam	Through-Beam
Series	Automotive, AEC-Q101	Automotive, AEC-Q100	-	-
Voltage - Collector Emitter Breakdown (Max)	20 V	20 V	30 V	30 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Bulk
Response Time	20µs, 30µs	9µs, 16µs	15µs	4µs, 4µs
Sensing Distance	0.118" (3mm)	0.118" (3mm)	0.118" (3mm)	0.197" (5mm)
Type	Unamplified	-	Unamplified	Unamplified
Package / Case	6-SMD	Module, No Lead, Slot Type	Slotted Module	PCB Mount
Base Product Number	TCUT1300	TCUT1600	-	-
Output Configuration	Phototransistor	Phototransistor	Phototransistor	Phototransistor
Mounting Type	Surface Mount	Surface Mount	Through Hole	Through Hole
Operating Temperature	-40°C ~ 105°C	-40°C ~ 105°C (TA)	-25°C ~ 85°C	-25°C ~ 85°C

## TCUT1300X01 Datasheet PDF

Download TCUT1300X01 pdf datasheets and Vishay Semiconductor Opto Division documentation for TCUT1300X01 - Vishay Semiconductor Opto Division.

### Datasheets

[TCUT1300X01.pdf](#)

### PCN Assembly/Origin

[TCPT1300X01/TCUT1300X01 10/Oct/2022.pdf](#)

### HTML Datasheet

[TCUT1300X01.pdf](#)

## Customers Also Interested in

### Recommended Products

**TCU10A20-TE24L**

NIHONINTER

**TCUA221WBG**

TAEC Product (Toshiba Electronic Devices and Stora

**TCUT1600X01**Vishay Semiconductor Opto Division  
SENSOR OPT SLOT PHOTOTRANS MODUL**TCU20A40**KYOCERA AVX  
DIODE GEN PURP 400V 20A TO263**ITR8102**Everlight Electronics Co Ltd  
SENSOR OPT SLOT PHOTOTRANS MODUL**EE-SX1042**Omron Electronics Inc-EMC Div  
SENSOR OPT SLOT PHOTOTRAN PCB MT**RPI-352**Rohm Semiconductor  
SENSOR OPT SLOT PHOTOTRAN PCB MT

NO PICTURE

**TCU10A40-TE24L1**

NIEC



NO PICTURE

**TCU20A40-TE24L1**

NIEC



NO PICTURE

**TCU10A40-TE24L**

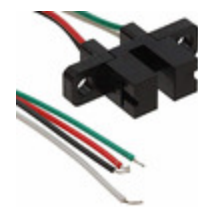
NIHON



NO PICTURE

**TCU20A30**

NIEC

**OPB829CZ**TT Electronics/Optek Technology  
SENSOR OPT SLOT PHOTOTRANS MODUL**TCUT1350X01**Vishay Semiconductor Opto Division  
SENSOR OPT SLOT PHOTOTRANS MODUL**RPI-221**Rohm Semiconductor  
SENSOR OPT SLOT PHOTOTRAN PCB MT**EE-SX1109**Omron Electronics Inc-EMC Div  
SENSOR OPT SLOT PHOTOTRANS 4SMD**TCUT1200**

Electro-Films (EFI) / Vishay

**EE-SX1103**Omron Electronics Inc-EMC Div  
SENSOR OPT SLOT PHOTOTRAN PCB MT

NO PICTURE

**TCUDZS3V9B**

JTAKCHEONG

## 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.



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+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



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