



Image may be representation.  
See specifications for product details.



## VOL618A-3X001T

Manufacturer Part Number	<b>VOL618A-3X001T</b>
Manufacturer	<b>Vishay Semiconductor - Opto Division</b>
Allelco Part Number	32D-VOL618A-3X001T
ECAD Model	PCB Footprint and Symbol
Parts Description	OPTOISOLATOR 5KV TRANS 4-LSOP
Package	4-SMD, Gull Wing
Data sheet	<b>VOL618A.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

VOL618A-3X001T - Vishay Semiconductor Opto Division. New Original in Stock. Download Linear Technology VOL618A-3X001T datasheet/specifications on AllelcoElec.com.  
Request a quote for VOL618A-3X001T, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

VOL618A-3X001T Tech Specifications

VOL618A-3X001T - 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)	80V	Operating Temperature	-55°C ~ 110°C
Voltage - Isolation	5000Vrms	Number of Channels	1
Voltage - Forward (Vf) (Typ)	1.16V	Mounting Type	Surface Mount
Vce Saturation (Max)	400mV	Input Type	DC
Turn On / Turn Off Time (Typ)	6µs, 5.5µs	Current Transfer Ratio (Min)	100% @ 1mA
Supplier Device Package	4-SOP	Current Transfer Ratio (Max)	200% @ 1mA
Series	-	Current - Output / Channel	50mA
Rise / Fall Time (Typ)	3.5µs, 5µs	Current - DC Forward (If) (Max)	60 mA
Package / Case	4-SMD, Gull Wing	Base Product Number	VOL618
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Semiconductor Opto Division VOL618A-3X001T

Product Attribute				
Part Number	VOL618A-3X001T	VOL617A-2T	VOL617A-8X001T	VOL617A-3T
Manufacturer	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division
Current - DC Forward (If) (Max)	60 mA	60 mA	60 mA	60 mA
Turn On / Turn Off Time (Typ)	6µs, 5.5µs	6µs, 5.5µs	6µs, 5.5µs	6µs, 5.5µs
Voltage - Forward (Vf) (Typ)	1.16V	1.16V	1.16V	1.16V
Series	-	-	-	-
Vce Saturation (Max)	400mV	400mV	400mV	400mV
Current Transfer Ratio (Min)	100% @ 1mA	63% @ 5mA	130% @ 5mA	100% @ 5mA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Number of Channels	1	1	1	1
Current - Output / Channel	50mA	50mA	50mA	50mA
Package / Case	4-SMD, Gull Wing	4-SMD, Gull Wing	4-SMD, Gull Wing	4-SMD, Gull Wing
Base Product Number	VOL618	VOL617	VOL617	VOL617
Operating Temperature	-55°C ~ 110°C	-55°C ~ 110°C	-55°C ~ 110°C	-55°C ~ 110°C
Voltage - Output (Max)	80V	80V	80V	80V
Current Transfer Ratio (Max)	200% @ 1mA	125% @ 5mA	260% @ 5mA	200% @ 5mA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rise / Fall Time (Typ)	3.5µs, 5µs	3.5µs, 5µs	3.5µs, 5µs	3.5µs, 5µs
Output Type	Transistor	Transistor	Transistor	Transistor
Input Type	DC	DC	DC	DC
Supplier Device Package	4-SOP	4-SOP	4-LSOP (2.54mm)	4-SOP
Voltage - Isolation	5000Vrms	5000Vrms	5000Vrms	5000Vrms

## VOL618A-3X001T Datasheet PDF

Download VOL618A-3X001T pdf datasheets and Vishay Semiconductor Opto Division documentation for VOL618A-3X001T - Vishay Semiconductor Opto Division.

### HTML Datasheet



## Customers Also Interested in

### Recommended Products

**VOL617A-2T**

Vishay Semiconductor Opto Division  
OPTOISOLATOR 5KV TRANS 4-LSOP

**VOL617A-2X001**

Electro-Films (EFI) / Vishay

**VOL618AT-X001T**

Electro-Films (EFI) / Vishay

**VOLARI-Z9-A0AB-LF**

XGI

**VOL617A-8X001T**

Vishay Semiconductor Opto Division  
OPTOISOLATOR 5KV TRANS

**VOL617A-3T**

Vishay Semiconductor Opto Division  
OPTOISOLATOR 5KV TRANS 4-LSOP

**VOL617A-3**

Electro-Films (EFI) / Vishay

**VOL617AT**

Vishay Semiconductor Opto Division  
OPTOCOUPLER, PHOTOTRANSISTOR OUT

**VOL618A-2X001T**

Vishay Semiconductor Opto Division  
OPTOISOLATOR 5KV TRANS 4-LSOP

**VOLARI-Z11M-A2-CB-HF**

SIS

**VOL617A-1T**

Vishay Semiconductor Opto Division  
OPTOISOLATOR 5KV TRANS 4-LSOP

**VOL618AT**

Vishay Semiconductor Opto Division  
OPTOCOUPLER, PHOTOTRANSISTOR OUT

**VOL618A-2T**

Vishay Semiconductor Opto Division  
OPTOISOLATOR 5KV TRANS 4-LSOP

**VOL617A-3X001T**

Vishay Semiconductor Opto Division  
OPTOISOLATOR 5KV TRANS 4-LSOP

**VOLARI-Z7-A0AB-LF**

XGI

**VOL618A-3T**

Vishay Semiconductor Opto Division  
OPTOISOLATOR 5KV TRANS 4-LSOP

**VOL617A-4X001T**

Vishay Semiconductor Opto Division  
OPTOISOLATOR 5KV TRANS 4-LSOP

**VOL617AT-X001T**

Electro-Films (EFI) / Vishay

## 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

+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



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