

Image may be representation.
See specifications for product details.



TEMD1020

Manufacturer Part Number	TEMD1020
Manufacturer	Vishay Semiconductor - Opto Division
Allelco Part Number	32D-TEMD1020
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	PHOTODIODE 400 TO 1100 NM
Package	-
Data sheet	TEMD1000/20/30/40.pdf TEMD1000/20/30/40.pdf
RoHs Status	ROHS3 Compliant

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TEMD1020 - Vishay Semiconductor Opto Division. New Original in Stock. Download Linear Technology TEMD1020 datasheet/specifications on AllelcoElec.com.
Request a quote for TEMD1020, please send us email: info@allelco.com

Specifications

TEMD1020 Tech Specifications

TEMD1020 - 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)
Wavelength	940nm	Operating Temperature	-40°C ~ 85°C
Voltage - DC Reverse (Vr) (Max)	60 V	Mounting Type	Surface Mount
Viewing Angle	30°	Diode Type	PIN
Spectral Range	790nm ~ 1050nm	Current - Dark (Typ)	1nA
Series	-	Color - Enhanced	-
Responsivity @ nm	0.55 A/W @ 950nm	Base Product Number	TEMD1020
Response Time	4ns	Active Area	0.23mm ²
Package / Case	-		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Semiconductor Opto Division TEMD1020

Product Attribute				
Part Number	TEMD1020	TEMD6200FX01	TEMD1000	TEMD5080X01
Manufacturer	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division	Vishay Semiconductor Opto Division
Series	-	Automotive, AEC-Q101	-	-
Current - Dark (Typ)	1nA	100pA	1nA	2nA
Base Product Number	TEMD1020	TEMD6200	TEMD1000	TEMD5080
Color - Enhanced	-	-	-	Blue
Spectral Range	790nm ~ 1050nm	430nm ~ 610nm	790nm ~ 1050nm	350nm ~ 1100nm
Voltage - DC Reverse (Vr) (Max)	60 V	16 V	60 V	25 V
Operating Temperature	-40°C ~ 85°C	-40°C ~ 100°C	-40°C ~ 85°C	-40°C ~ 100°C
Viewing Angle	30°	120°	30°	130°
Active Area	0.23mm ²	0.27mm ²	0.23mm ²	7.7mm ²
Package / Case	-	-	-	2-SMD, No Lead
Responsivity @ nm	0.55 A/W @ 950nm	-	0.55 A/W @ 950nm	-
Response Time	4ns	150ns	4ns	40ns
Wavelength	940nm	540nm	940nm	940nm
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Diode Type	PIN	PIN	PIN	PIN
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

TEMD1020 Datasheet PDF

Download TEMD1020 pdf datasheets and Vishay Semiconductor Opto Division documentation for TEMD1020 - Vishay Semiconductor Opto Division.

Datasheets

[TEMD1000/20/30/40.pdf](#)

PCN Assembly/Origin





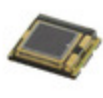



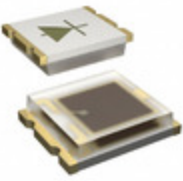

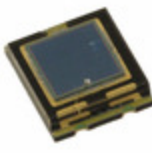



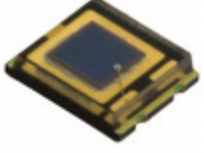



[Mult Dev Wafer Chgs 2/Apr/2020.pdf](#)

HTML Datasheet

[TEMD1000/20/30/40.pdf](#)

Customers Also Interested in

Recommended Products

 TEM5100 Electro-Films (EFI) / Vishay	 TEM6200FX01 Vishay Semiconductor Opto Division SENSOR PHOTODIODE 540NM 0805	 TEM1000 Vishay Semiconductor Opto Division PHOTODIODE 380 TO 1100 NM	 TEM5000 Electro-Films (EFI) / Vishay	 TEM5080X01 Vishay Semiconductor Opto Division PHOTODIODE 350 TO 1070 NM	 TEM252012ALMAR15MT/ Murata Power Solutions
 TEM5120X01 Vishay Semiconductor Opto Division PHOTODIODE 790 TO 1050 NM	 TEM7000X01 Vishay Semiconductor Opto Division PHOTODIODE 350 TO 1120 NM	 TEM5510FX01 Vishay Semiconductor Opto Division SENSOR PHOTODIODE 540NM SMD	 TEM2-0521 TRACO Power IGBT Module	 TEM5010X01 Vishay Semiconductor Opto Division PHOTODIODE 350 TO 1120 NM	 TEM5110X01 Vishay Semiconductor Opto Division PHOTODIODE 350 TO 1100 NM
 TEM6010FX01 Vishay Semiconductor Opto Division SENSOR PHOTODIODE 540NM SMD	 TEM2-2422 DATEL IGBT Module	 TEM5020X01 Vishay Semiconductor Opto Division PHOTODIODE 430 TO 1100 NM	 TEM2-0511 TRACO Power IGBT Module	 TEM2-2411 TRACO Power IGBT Module	 TEM3-1221 TRACO Power IGBT Module

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

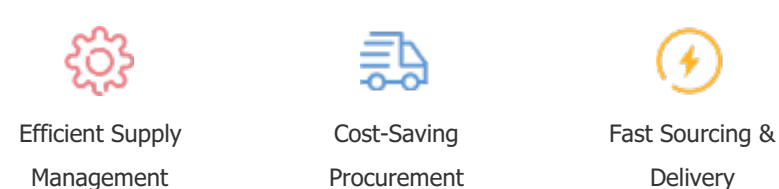
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

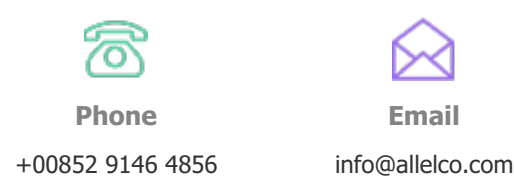
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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