



MCL4448-TR

Manufacturer Part Number	MCL4448-TR
Manufacturer	Vishay General Semiconductor – Diodes Division
Allelco Part Number	32D-MCL4448-TR
ECAD Model	Request Free CAD Models
Parts Description	DIODE GP 75V 150MA MICROMELF
Package	2-SMD, No Lead
Data sheet	MCL4148/4448.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

MCL4448-TR - Vishay General Semiconductor - Diodes Division. New Original in Stock. Download Linear Technology MCL4448-TR datasheet/specifications on AllelcoElec.com.
Request a quote for MCL4448-TR, please send us email: info@allelco.com

Specifications

MCL4448-TR Tech Specifications

MCL4448-TR - Vishay General Semiconductor - Diodes Division technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay General Semiconductor – Diodes Division	Package / Case	2-SMD, No Lead
Voltage - Forward (Vf) (Max) @ If	1 V @ 100 mA	Package	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	75 V	Operating Temperature - Junction	175°C (Max)
Technology	Standard	Mounting Type	Surface Mount
Supplier Device Package	MicroMELF	Current - Reverse Leakage @ Vr	25 nA @ 20 V
Speed	Small Signal =< 200mA (Io), Any Speed	Current - Average Rectified (Io)	150mA
Series	Automotive, AEC-Q101	Capacitance @ Vr, F	4pF @ 0V, 1MHz
Reverse Recovery Time (trr)	8 ns	Base Product Number	MCL4448

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay General Semiconductor - Diodes Division MCL4448-TR

Product Attribute	NO PICTURE		NO PICTURE	
Part Number	MCL4448-TR	MCL4148-TR	MCL4148	MCL4154-TR3
Manufacturer	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	Diotec Semiconductor	Vishay General Semiconductor - Diodes Division
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Forward (Vf) (Max) @ If	1 V @ 100 mA	1 V @ 50 mA	1.1 V @ 50 mA	1 V @ 30 mA
Speed	Small Signal =< 200mA (Io), Any Speed	Small Signal =< 200mA (Io), Any Speed	Small Signal =< 200mA (Io), Any Speed	Small Signal =< 200mA (Io), Any Speed
Voltage - DC Reverse (Vr) (Max)	75 V	75 V	75 V	35 V
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	-	Automotive, AEC-Q101
Capacitance @ Vr, F	4pF @ 0V, 1MHz	4pF @ 0V, 1MHz	4pF @ 0V, 1MHz	4pF @ 0V, 1MHz
Reverse Recovery Time (trr)	8 ns	8 ns	4 ns	4 ns
Operating Temperature - Junction	175°C (Max)	-65°C ~ 175°C	-55°C ~ 175°C	175°C (Max)
Supplier Device Package	MicroMELF	MicroMELF	MicroMelf	MicroMELF
Technology	Standard	Standard	Standard	Standard
Base Product Number	MCL4448	MCL4148	-	MCL4154
Package / Case	2-SMD, No Lead	2-SMD, No Lead	2-SMD, No Lead	2-SMD, No Lead
Current - Reverse Leakage @ Vr	25 nA @ 20 V	5 µA @ 75 V	5 µA @ 75 V	100 nA @ 25 V
Current - Average Rectified (Io)	150mA	150mA	150mA	200mA

MCL4448-TR Datasheet PDF

Download MCL4448-TR pdf datasheets and Vishay General Semiconductor - Diodes Division documentation for MCL4448-TR - Vishay General Semiconductor - Diodes Division.

Datasheets

MCL4148/4448.pdf

Customers Also Interested in

Recommended Products

MCL2012S100MT	MCL2012S4R7MT	MCL4120	MCL4148-TR	MCL908QT1CDWE	MCL2520A1R5MT
Shenzhen Sunlord Electronics Co., Ltd. FIXED IND 10UH 60MA 500MOHM SMD	Shenzhen Sunlord Electronics Co., Ltd. FIXED IND 4.7UH 180MA 300MOHM SM	MCL	Vishay General Semiconductor - Diodes Division DIODE GP 75V 150MA MICROMELF	Freescall Semiconductor IC MCU 8BIT 1.5KB FLASH 8SO	Shenzhen Sunlord Electronics Co., Ltd. FIXED IND 1.5UH 1A 110 MOHM SMD
	NO PICTURE				

MCL908QY4DWEFreescale Semiconductor
IC MCU 8BIT 4KB FLASH 16SOIC

NO PICTURE

MCLBP2P

MCL

MCL4148Diotec Semiconductor
DIODE SOD-106 100V 0.15A 4NS**MCL908QT1CDWE**NXP USA Inc.
IC MCU 8BIT 1.5KB FLASH 8SO**MCL908QY4CDT**

Freescale / NXP Semiconductors



NO PICTURE

MCL3591

MSC

MCL2012S1R0MTShenzhen Sunlord Electronics
Co., Ltd.
FIXED IND 1UH 300MA 200MOHM
SMD**MCL4154-TR3**Vishay General Semiconductor -
Diodes Division
DIODE GP 35V 200MA MICROMELF**MCL908QY4DWE**NXP USA Inc.
IC MCU 8BIT 4KB FLASH 16SOIC**MCL4151-TR**Vishay General Semiconductor -
Diodes Division
DIODE GP 75V 200MA MICROMELF**MCL2012SR47MT**Shenzhen Sunlord Electronics
Co., Ltd.
FIXED IND 470NH 550MA 180MOHM
SM**MCL908QY4CDTE**NXP USA Inc.
IC MCU 8BIT 4KB FLASH 16TSSOP**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
ManagementCost-Saving
ProcurementFast Sourcing &
Delivery

Contact us if you have any questions.



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