

Image may be representation.
See specifications for product details.



SI4124DY-T1-GE3

Manufacturer Part Number	SI4124DY-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI4124DY-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 40V 20.5A 8SO
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	SI4124DY.pdf
RoHs Status	ROHS3 Compliant

[Get a Quote](#)

SI4124DY-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI4124DY-T1-GE3 datasheet/specifications on AllelcoElec.com. Request a quote for SI4124DY-T1-GE3, please send us email: info@allelco.com

Specifications

SI4124DY-T1-GE3 Tech Specifications

SI4124DY-T1-GE3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	3540 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	77 nC @ 10 V
Supplier Device Package	8-SOIC	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	7.5mOhm @ 14A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.5W (Ta), 5.7W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	20.5A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI4124

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI4124DY-T1-GE3

Product Attribute				
Part Number	SI4124DY-T1-GE3	SI4122DY-T1-GE3	SI4128BDY-T1-GE3	SI4124DY-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Current - Continuous Drain (Id) @ 25°C	20.5A (Tc)	27.2A (Tc)	8.3A (Ta), 12A (Tc)	20.5A (Tc)
Gate Charge (Qg) (Max) @ Vgs	77 nC @ 10 V	95 nC @ 10 V	-	77 nC @ 10 V
Mounting Type	Surface Mount	Surface Mount	-	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	MOSFET (Metal Oxide)
Supplier Device Package	8-SOIC	8-SOIC	-	8-SOIC
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	7.5mOhm @ 14A, 10V	4.5mOhm @ 15A, 10V	-	7.5mOhm @ 14A, 10V
Base Product Number	SI4124	SI4122	SI4128	SI4124
Power Dissipation (Max)	2.5W (Ta), 5.7W (Tc)	3W (Ta), 6W (Tc)	-	2.5W (Ta), 5.7W (Tc)
FET Feature	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	3540 pF @ 20 V	4200 pF @ 20 V	-	3540 pF @ 20 V
Drain to Source Voltage (Vdss)	40 V	40 V	-	40 V
Vgs (Max)	±20V	±25V	±25V	±20V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
FET Type	N-Channel	N-Channel	-	N-Channel
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Vgs(th) (Max) @ Id	3V @ 250µA	2.5V @ 250µA	-	3V @ 250µA
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	-	8-SOIC (0.154", 3.90mm Width)

SI4124DY-T1-GE3 Datasheet PDF

Download SI4124DY-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI4124DY-T1-GE3 - Vishay Siliconix.

Datasheets



















[SI4124DY.pdf](#)

PCN Assembly/Origin

[New Solder Plating Site 18/Apr/2023.pdf](#)

Customers Also Interested in

Recommended Products

					
SI4123-D-GT Skyworks Solutions Inc. IC FREQ SYNTH 24TSSOP	SI4122DY-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 27.2A 850	SI4128 Electro-Films (EFI) / Vishay	SI4124DY Electro-Films (EFI) / Vishay	SI4126-F-GMR Skyworks Solutions Inc. IC FREQ SYNTH 28QFN	SI4128BDY-T1-GE3 Vishay Siliconix MOSFET N-CH 30V
					
SI4126BM SILICONIX	SI4122G-BMR SI	SI4126-BMR Silicon Power	SI4123-BM Silicon Labs IC FREQ SYNTH 28QFN	SI4126-BM Skyworks Solutions Inc. IC FREQ SYNTH 28QFN	SI4126DY Electro-Films (EFI) / Vishay
					
SI4124DY-T1-E3 Vishay Siliconix MOSFET N-CH 40V 20.5A 850	SI4122DY-T1-E3 Electro-Films (EFI) / Vishay	SI4122DY Electro-Films (EFI) / Vishay	SI4123-D-GMR Skyworks Solutions Inc. IC FREQ SYNTH 28QFN	SI4126-F-GM Skyworks Solutions Inc. IC FREQ SYNTH 28QFN	SI4126DY-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 39A 850

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



[View More](#)