

**SI4448DY-T1-GE3 Information**


For Reference Only

**Part Number** [SI4448DY-T1-GE3](#)  
**Manufacturer** Vishay Siliconix  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 12V 50A 8-SOIC  
**Package** 8-SOIC (0.154", 3.90mm Width)  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**SI4448DY-T1-GE3 Specifications**

Manufacturer Part Number	<a href="#">SI4448DY-T1-GE3</a>
Manufacturer	Vishay Siliconix
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	8-SOIC (0.154", 3.90mm Width)
Series	TrenchFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	12V
Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Vgs(th) (Max) @ Id	1V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	150nC @ 4.5V
Input Capacitance (Ciss) (Max) @ Vds	12350pF @ 6V
Vgs (Max)	±8V
FET Feature	-
Power Dissipation (Max)	3.5W (Ta), 7.8W (Tc)
Rds On (Max) @ Id, Vgs	1.7 mOhm @ 20A, 4.5V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	8-SO
Package / Case	8-SOIC (0.154", 3.90mm Width)

[Report errors?](#)

## SI4448DY-T1-GE3 Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## SI4448DY-T1-GE3 Payment Methods



## SI4448DY-T1-GE3 Shipping Methods



If you have any question about SI4448DY-T1-GE3, please do not hesitate to contact us!

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E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)