

SI5442DU-T1-GE3 Information


For Reference Only

Part Number [SI5442DU-T1-GE3](#)
Manufacturer Vishay Siliconix
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 20V 25A PPAK CHIPFET
Package PowerPAK? ChipFET? Single
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com



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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.


SI5442DU-T1-GE3 Specifications

Manufacturer Part Number	SI5442DU-T1-GE3
Manufacturer	Vishay Siliconix
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	PowerPAK? ChipFET? Single
Series	TrenchFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	20V
Current - Continuous Drain (Id) @ 25°C	25A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Vgs(th) (Max) @ Id	900mV @ 250µA
Gate Charge (Qg) (Max) @ Vgs	45nC @ 8V
Input Capacitance (Ciss) (Max) @ Vds	1700pF @ 10V
Vgs (Max)	±8V
FET Feature	-
Power Dissipation (Max)	3.1W (Ta), 31W (Tc)
Rds On (Max) @ Id, Vgs	10 mOhm @ 8A, 4.5V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	PowerPAK? ChipFet Single
Package / Case	PowerPAK? ChipFET? Single

[Report errors?](#)

SI5442DU-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.

SI5442DU-T1-GE3 Payment Methods



SI5442DU-T1-GE3 Shipping Methods



If you have any question about SI5442DU-T1-GE3, please do not hesitate to contact us!

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