

SQD45N05-20L-GE3 Information


For Reference Only

Part Number [SQD45N05-20L-GE3](#)
Manufacturer Vishay Siliconix
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 50V 50A TO252
Package TO-252-3, DPak (2 Leads + Tab), SC-63
 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.


SQD45N05-20L-GE3 Specifications

Manufacturer Part Number	SQD45N05-20L-GE3
Manufacturer	Vishay Siliconix
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Series	TrenchFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	50V
Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	2.5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	43nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	1800pF @ 25V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	2.5W (Ta), 75W (Tc)
Rds On (Max) @ Id, Vgs	18 mOhm @ 20A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	TO-252, (D-Pak)
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63

[Report errors?](#)

SQD45N05-20L-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.

SQD45N05-20L-GE3 Payment Methods



SQD45N05-20L-GE3 Shipping Methods



If you have any question about SQD45N05-20L-GE3, please do not hesitate to contact us!

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