

STW40N90K5 Information


For Reference Only

Part Number [STW40N90K5](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description N-CHANNEL 900 V, 0.110 OHM TYP.,
Package TO-247-3
 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.


STW40N90K5 Specifications

Manufacturer Part Number	STW40N90K5
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-247-3
Series	MDmesh? K5
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vds)	900V
Current - Continuous Drain (Id) @ 25°C	40A
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	5V @ 100µA
Gate Charge (Qg) (Max) @ Vgs	89nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	3260pF @ 100V
Vgs (Max)	±30V
FET Feature	Current Sensing
Power Dissipation (Max)	446W (Tc)
Rds On (Max) @ Id, Vgs	99 mOhm @ 20A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-247
Package / Case	TO-247-3

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STW40N90K5 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.

STW40N90K5 Payment Methods



STW40N90K5 Shipping Methods



If you have any question about STW40N90K5, please do not hesitate to contact us!

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