

SCTWA50N120 Information


For Reference Only

Part Number [SCTWA50N120](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH SiCFET 1.2KV HIP247
Package TO-247-3
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: 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.


SCTWA50N120 Specifications

Manufacturer Part Number	SCTWA50N120
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-247-3
Series	-
FET Type	N-Channel
Technology	SiCFET (Silicon Carbide)
Drain to Source Voltage (Vdss)	1200V
Current - Continuous Drain (Id) @ 25°C	65A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	20V
Vgs(th) (Max) @ Id	3V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	122nC @ 20V
Input Capacitance (Ciss) (Max) @ Vds	1900pF @ 400V
Vgs (Max)	+25V, -10V
FET Feature	-
Power Dissipation (Max)	318W (Tc)
Rds On (Max) @ Id, Vgs	69 mOhm @ 40A, 20V
Operating Temperature	-55°C ~ 200°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	HiP247?
Package / Case	TO-247-3

[Report errors?](#)

SCTWA50N120 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.

SCTWA50N120 Payment Methods



SCTWA50N120 Shipping Methods



If you have any question about SCTWA50N120, please do not hesitate to contact us!

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