



STY50N105DK5 Information

Heisener.com

Part Number STY50N105DK5 Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 1.05KVV 44A MAX247

TO-247-3 **Package**

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

E-mail: salesdept@heisener.com



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Certified Quality

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STY50N105DK5 Specifications

Manufacturer Part Number STY50N105DK5 Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series SuperMESH5? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1050V Current - Continuous Drain (Id) @ 25°C 44A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 100µA Gate Charge (Qg) (Max) @ Vgs 175nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6600pF @ 100V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 625W (Tc) Rds On (Max) @ Id, Vgs 120 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C Mounting Type Through Hole Supplier Device Package MAX247? Package / Case TO-247-3		
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Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 175nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6600pF @ 100V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 625W (Tc) Rds On (Max) @ Id, Vgs 120 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C Mounting Type Through Hole Supplier Device Package MAX247? Package / Case TO-247-3	Current - Continuous Drain (Id) @ 25°C	44A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 6600pF @ 100V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 120 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C Mounting Type Through Hole Supplier Device Package MAX247? Package / Case TO-247-3	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 120 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C Mounting Type Through Hole Supplier Device Package MAX247? Package / Case TO-247-3	Vgs(th) (Max) @ Id	5V @ 100μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)625W (Tc)Rds On (Max) @ Id, Vgs120 mOhm @ 22A, 10VOperating Temperature-55°C ~ 150°CMounting TypeThrough HoleSupplier Device PackageMAX247?Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	175nC @ 10V
FET Feature - Power Dissipation (Max) 625W (Tc) Rds On (Max) @ Id, Vgs 120 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C Mounting Type Through Hole Supplier Device Package MAX247? Package / Case TO-247-3	Input Capacitance (Ciss) (Max) @ Vds	6600pF @ 100V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 120 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C Mounting Type Through Hole Supplier Device Package MAX247? Package / Case TO-247-3	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs120 mOhm @ 22A, 10VOperating Temperature-55°C ~ 150°CMounting TypeThrough HoleSupplier Device PackageMAX247?Package / CaseTO-247-3	FET Feature	-
Operating Temperature -55°C ~ 150°C Mounting Type Through Hole Supplier Device Package MAX247? Package / Case TO-247-3	Power Dissipation (Max)	625W (Tc)
Mounting Type Through Hole Supplier Device Package MAX247? Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	120 mOhm @ 22A, 10V
Supplier Device Package MAX247? Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C
Package / Case TO-247-3	Mounting Type	Through Hole
	Supplier Device Package	MAX247?
Report errors?	Package / Case	TO-247-3
		Report errors?

STY50N105DK5 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.

STY50N105DK5 Payment Methods



















STY50N105DK5 Shipping Methods













If you have any question about STY50N105DK5, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com