



STD3LN62K3 Information



For Reference Only

Part Number STD3LN62K3
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 620V 2.5A DPAK

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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STD3LN62K3 Specifications

Manufacturer Part Number STD3LN62K3 Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series SuperMESH3? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 620V Current - Continuous Drain (Id) @ 25°C 2.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 50µA Gate Charge (Qg) (Max) @ Vgs 17nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 386pF @ 50V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 3 Ohm @ 1.25A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63		
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Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 17nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 3 Ohm @ 1.25A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 620V 2.5A (Tc) 2.5A (Tc) 10V 4.5V @ 50µA 4.5V @ 50µA 4.5V @ 50V 4	Series	SuperMESH3?
Drain to Source Voltage (Vdss)620VCurrent - Continuous Drain (Id) @ 25°C2.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 50μAGate Charge (Qg) (Max) @ Vgs17nC @ 10VInput Capacitance (Ciss) (Max) @ Vds386pF @ 50VVgs (Max)±30VFET Feature-Power Dissipation (Max)45W (Tc)Rds On (Max) @ Id, Vgs3 Ohm @ 1.25A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 50µA Gate Charge (Qg) (Max) @ Vgs 17nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 3 Ohm @ 1.25A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 2.5A (Tc) 4.5V @ 50µA 4.5V @ 50µA 4.5V @ 10V 3 86pF @ 50V 430V FET Feature - Power Dissipation (Max) 45W (Tc) 3 Ohm @ 1.25A, 10V DPAK TO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 50μAGate Charge (Qg) (Max) @ Vgs17nC @ 10VInput Capacitance (Ciss) (Max) @ Vds386pF @ 50VVgs (Max)±30VFET Feature-Power Dissipation (Max)45W (Tc)Rds On (Max) @ Id, Vgs3 Ohm @ 1.25A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	620V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) As W (Tc) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package DPAK Package / Case 4.5V @ 50μA 4.5V	Current - Continuous Drain (Id) @ 25°C	2.5A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 3 Ohm @ 1.25A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package DPAK Package / Case 170-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 3 Ohm @ 1.25A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	4.5V @ 50μA
Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 3 Ohm @ 1.25A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	17nC @ 10V
FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 3 Ohm @ 1.25A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	386pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 3 Ohm @ 1.25A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs3 Ohm @ 1.25A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	45W (Tc)
Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	3 Ohm @ 1.25A, 10V
Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	150°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	DPAK
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

STD3LN62K3 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.

STD3LN62K3 Payment Methods





















STD3LN62K3 Shipping Methods













If you have any question about STD3LN62K3, please do not hesitate to contact us!

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