



STD36NH02L Information



For Reference Only

Part Number STD36NH02L

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 24V 30A 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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STD36NH02L Specifications

Manufacturer Part Number STD36NH02L Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series STripFET? III FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 860pF @ 15V Vgs (Max) E20V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 14.5 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Report errors?		
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Series STripFET? III FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 860pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 14.5 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)24VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds860pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)45W (Tc)Rds On (Max) @ Id, Vgs14.5 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14.5 mOhm @ 15A, 10V Operating Temperature Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 24V MOSFET (Metal Oxide) 44V 45V (Tc) 30A (Tc) 5V, 10V 2.5V @ 250μA 860pF @ 15V ±20V FET Feature	Series	STripFET? III
Drain to Source Voltage (Vdss)24VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds860pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)45W (Tc)Rds On (Max) @ Id, Vgs14.5 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / 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) 5V, 10V Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14.5 mOhm @ 15A, 10V Operating Temperature Surpface Mount Supplier Device Package Package / Case 30A (Tc) 5V, 10V 2.5V @ 250μA 860pF @ 15V 45V FET Feature	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds860pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)45W (Tc)Rds On (Max) @ Id, Vgs14.5 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	24V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature - Power Dissipation (Max) As Month (Max) @ Id, Vgs Operating Temperature Found Temperature Surplier Device Package Package / Case 2.5V @ 250μA 2.6V @ 250μA 2.6V @ 10V 860pF @ 15V 45V FET Feature - - - - - - - - - - - - -	Current - Continuous Drain (Id) @ 25°C	30A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 860pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14.5 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14.5 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	2.5V @ 250μA
Vgs (Max) ± 20 VFET Feature-Power Dissipation (Max) 45 W (Tc)Rds On (Max) @ Id, Vgs 14.5 mOhm @ 15 A, 10 VOperating Temperature -55° C ~ 175° C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO- 252 -3, DPak (2 Leads + Tab), SC- 63	Gate Charge (Qg) (Max) @ Vgs	20nC @ 10V
FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 14.5 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	860pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14.5 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs14.5 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	45W (Tc)
Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	14.5 mOhm @ 15A, 10V
Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	D-Pak
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

STD36NH02L Guarantees



Quality Guarantees

We provide 90 days warranty. *

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Our experienced sales team and tech support team back our services to satisfy all our customers.

STD36NH02L Payment Methods









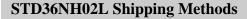
























If you have any question about STD36NH02L, please do not hesitate to contact us!

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