



STD2HNK60Z Information



For Reference Only

Part Number STD2HNK60Z

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 2A 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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STD2HNK60Z Specifications

Manufacturer Part Number STD2HNK60Z Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series SuperMESH? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 2A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 50µA Gate Charge (Qg) (Max) @ Vgs 15nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 280pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 4.8 Ohm @ 1A, 10V Operating Temperature -55°C ~ 150°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 SuperMESH? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 2A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5 V @ 50μA Gate Charge (Qg) (Max) @ Vgs 15nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 280pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 4.8 Ohm @ 1A, 10V Operating Temperature -55°C ~ 150°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
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C2A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 50μAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds280pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)45W (Tc)Rds On (Max) @ Id, Vgs4.8 Ohm @ 1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	SuperMESH?
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Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.8 Ohm @ 1A, 10V Operating Temperature Supplier Device Package Package / Case 2A (Tc) 2A (Tc) 2A (Tc) 2A (Tc) 2A (Tc) 4.5 V @ 50µA 4.5 V @ 50µA 15nC @ 10V 15nC @ 10V 17nC @ 10V	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4.5V @ 50μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.8 Ohm @ 1A, 10V Operating Temperature Operating Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	600V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 4.5V @ 50μA 4.5V @ 50μA 4.80P 4.80P 4.8 Ohm @ 1A, 10V 55°C ~ 150°C (TJ) Surface Mount Supplier Device Package D-Pak TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	2A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 280pF @ 25V Vgs (Max) ±30V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.8 Ohm @ 1A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	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 Operating Temperature -55°C ~ 150°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	4.5V @ 50μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)45W (Tc)Rds On (Max) @ Id, Vgs4.8 Ohm @ 1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	15nC @ 10V
FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 4.8 Ohm @ 1A, 10V Operating Temperature -55°C ~ 150°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	280pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.8 Ohm @ 1A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs4.8 Ohm @ 1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount 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	4.8 Ohm @ 1A, 10V
Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 150°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?

STD2HNK60Z 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.

STD2HNK60Z Payment Methods

































If you have any question about STD2HNK60Z, please do not hesitate to contact us!

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