

Image may be representation.
See specifications for product details.



STD2HNK60Z-1

Manufacturer Part Number	STD2HNK60Z-1
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD2HNK60Z-1
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 600V 2A IPAK
Package	TO-251-3 Short Leads, IPak, TO-251AA
Data sheet	STx2HNK60Z(x).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD2HNK60Z-1 - STMicroelectronics.New Original in Stock. Download Linear Technology STD2HNK60Z-1 datasheet/specifications on AllelcoElec.com.
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Specifications

STD2HNK60Z-1 Tech Specifications

STD2HNK60Z-1 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4.5V @ 50µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	280 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	15 nC @ 10 V
Supplier Device Package	TO-251 (IPAK)	FET Type	N-Channel
Series	SuperMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	4.80hm @ 1A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	45W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	Current - Continuous Drain (Id) @ 25°C	2A (Tc)
Package	Tube	Base Product Number	STD2HNK60

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD2HNK60Z-1

Product Attribute				
Part Number	STD2HNK60Z-1	STD2LN60K3	STD2N80K5	STD27N3LH5
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Drain to Source Voltage (Vdss)	600 V	600 V	800 V	30 V
Base Product Number	STD2HNK60	STD2LN60	STD2N80	STD27N
FET Feature	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	4.5V, 10V
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Power Dissipation (Max)	45W (Tc)	45W (Tc)	45W (Tc)	30W (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Gate Charge (Qg) (Max) @ Vgs	15 nC @ 10 V	12 nC @ 10 V	3 nC @ 10 V	4.6 nC @ 5 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs (Max)	±30V	±30V	30V	±22V
Current - Continuous Drain (Id) @ 25°C	2A (Tc)	2A (Tc)	2A (Tc)	27A (Tc)
Supplier Device Package	TO-251 (IPAK)	DPAK	DPAK	DPAK
Series	SuperMESH™	SuperMESH3™	SuperMESH5™	STripFET™ V
Input Capacitance (Ciss) (Max) @ Vds	280 pF @ 25 V	235 pF @ 50 V	95 pF @ 100 V	475 pF @ 25 V
Rds On (Max) @ Id, Vgs	4.80hm @ 1A, 10V	4.50hm @ 1A, 10V	4.50hm @ 1A, 10V	19mOhm @ 13.5A, 10V
Vgs(th) (Max) @ Id	4.5V @ 50µA	4.5V @ 50µA	5V @ 100µA	1V @ 250µA

STD2HNK60Z-1 Datasheet PDF

Download STD2HNK60Z-1 pdf datasheets and STMicroelectronics documentation for STD2HNK60Z-1 - STMicroelectronics.

Datasheets

[STx2HNK60Z\(x\).pdf](#)

PCN Packaging



















[Mult Dev Inner Box Chg 9/Dec/2021.pdf](#)

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 STD27N3LH5 MOS STMicroelectronics	 STD2LN60K3 STMicroelectronics MOSFET N CH 600V 2A DPAK	 STD2805T4 MOS STMicroelectronics	 STD2HНК60ZT4 STMicroelectronics	 STD2N80K5 STMicroelectronics MOSFET N-CH 800V 2A DPAK	 STD2805T4 STMicroelectronics TRANS PNP 60V 5A DPAK
 STD2HНК60Z MOS STMicroelectronics	 STD29NF03LT4 STMicroelectronics	 STD27N3LH5 STMicroelectronics MOSFET N-CH 30V 27A DPAK	 STD2N62K3 STMicroelectronics MOSFET N-CH 620V 2.2A DPAK	 STD2HНК60Z STMicroelectronics MOSFET N-CH 600V 2A DPAK	 STD2NA50T4 STMicroelectronics
 STD28P3LLH6AG STMicroelectronics MOSFET P-CH 30V 12A DPAK	 STD2N95K5 STMicroelectronics MOSFET N-CH 950V 2A DPAK	 STD2N60 STMicroelectronics	 STD2HНК60Z-1 MOS STMicroelectronics	 STD29NF03LT4 MOS STMicroelectronics	 STD2N40-1 STMicroelectronics

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



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Contact us

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