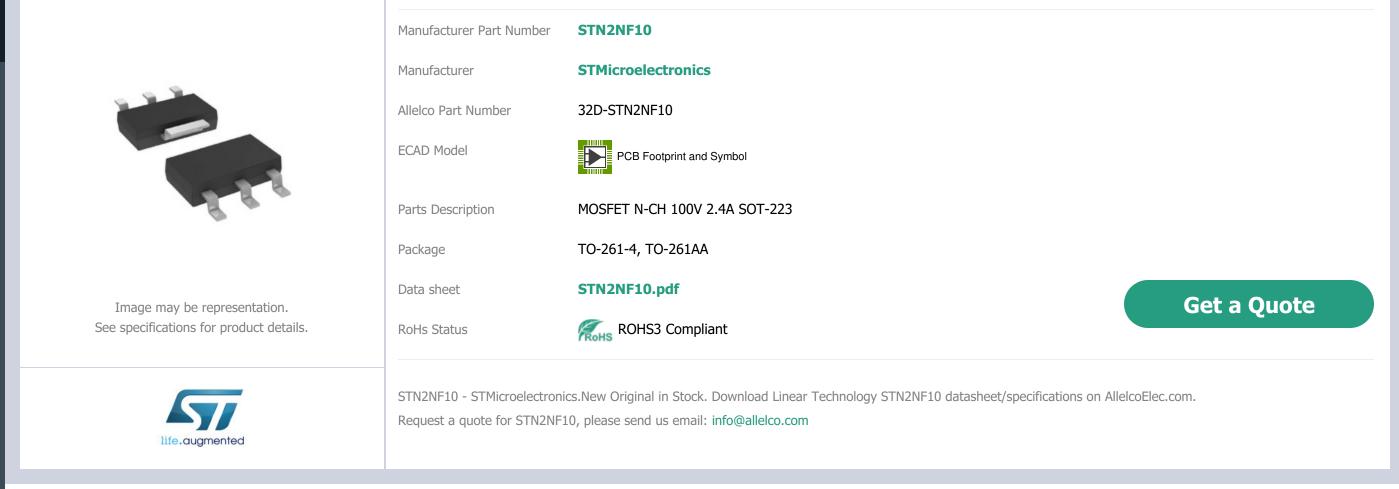


# STN2NF10



# Specifications

STN2NF10 Tech Specifications STN2NF10 - STMicroelectronics technical specifications, attributes, parameters

Product AttributeAttribute ValueProduct AttributeAttribute ValueMandacturerSTMicoelectronicsOperating Temperature-SS*C + 150°C (T)Vag(th) (Max) @ 14Vag 250,AMounting TupeSurface MountingVag (Max) @ 1420VInput Capacitance (Gas) (Max) @ Vds200 FG 25 VVag (Max) @ 100MOSFET (Meal Oxide)Gac Charge (Qa) (Max) @ Vds14 nC @ 10 VSupplier Device PackageSOT-223FET TupeN-ChannelSeriesStripET** IIFET Feature-New Dissipation (Max)3.3W (Ta)Drike Voltage (Max Bs On, Min Rds On)104Package / CaseTo-261, Ta-261, AACurret - Continuos Drain (Jo) @ 25%2.4A (Tr)PackageTapa Rend (TR)Bae Product MutherSTN2NF10				
Vgs(th) (Max) @ Id4V @ 250µAMounting TypeSurface MountVgs (Max)±20VInput Capadtance (Ciss) (Max) @ Vds280 pF @ 25 VTechnologyMOSFET (Metal Oxide)Gate Charge (Qg) (Max) @ Vds14 nC @ 10 VSupplier Device PackageS0T-223FET TypeN-ChannelSeriesStripFET™ IIFET Feature-Rds On (Max) @ Id, Vgs260mOhm @ 1.2A, 10VDrive Voltage (Max Rds On, Min Rds On)10VPower Dissipation (Max)3.3W (Tc)Dain to Source Voltage (Vdss)100 VPackage / CaseTo-261.4A, TO-261.AACurrent - Continuous Drain (Id) @ 25°C2.4A (Tc)	Product Attribute	Attribute Value	Product Attribute	Attribute Value
Ygs (Max)±20VInput Capacitance (Ciss) (Max) @ Vds280 pF @ 25 VTechnologyMOSFET (Metal Oxide)Gate Charge (Qg) (Max) @ Vgs14 nC @ 10 VSuppler Device PackageSOT-223FET TypePet PackageN-ChannelSeriesStripFET™ IIPet PeatureRds On (Max) @ 1d, Vgs260mOhm @ 1.2A, 10VDrive Voltage (Max Rds On, Min Rds On)10VPower Dissipation (Max)3.3W (Tc)Drain to Source Voltage (Vdss)100 VPackage / CaseTo-261.4, TO-261AACurrent - Continuous Drain (Id) @ 25°C2.4A (Tc)	Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 150°C (TJ)
TechnologyMOSFET (Metal Oxide)Gate Charge (Qg) (Max) @ Vgs14 nC @ 10 VSupplier Device PackageSOT-223FET TypeN-ChannelSeriesStripFET™ IIFET Feature-Rds On (Max) @ Id, Vgs260mOhm @ 1.2A, 10VDrive Voltage (Max Rds On, Min Rds On)10VPower Dissipation (Max)3.3W (Tc)Drain to Source Voltage (Vdss)100 VPackage / CaseTO-2614A, TO-261AACurrent - Continuous Drain (Id) @ 25°C2.4A (Tc)	Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Supplier Device PackageSOT-223FET TypeN-ChannelSeriesStripFET™ IIFET Feature-Rds On (Max) @ Id, Vgs260mOhm @ 1.2A, 10VDrive Voltage (Max Rds On, Min Rds On)10VPower Dissipation (Max)3.3W (Tc)Drain to Source Voltage (Vdss)100 VPackage / CaseTO-2614, TO-261AACurrent - Continuous Drain (Id) @ 25°C2.4A (Tc)	Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	280 pF @ 25 V
Series   STripFET <sup>™</sup> II   FET Feature   -     Rds On (Max) @ Id, Vgs   260mOhm @ 1.2A, 10V   Drive Voltage (Max Rds On, Min Rds On)   10V     Power Dissipation (Max)   3.3W (Tc)   Drain to Source Voltage (Vdss)   100 V     Package / Case   TO-261-4, TO-261AA   Current - Continuous Drain (Id) @ 25°C   2.4A (Tc)	Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	14 nC @ 10 V
Rds On (Max) @ Id, Vgs   260mOhm @ 1.2A, 10V   Drive Voltage (Max Rds On, Min Rds On)   10V     Power Dissipation (Max)   3.3W (Tc)   Drain to Source Voltage (Vdss)   100 V     Package / Case   TO-261-4, TO-261AA   Current - Continuous Drain (Id) @ 25°C   2.4A (Tc)	Supplier Device Package	SOT-223	FET Type	N-Channel
Power Dissipation (Max) 3.3W (Tc) Drain to Source Voltage (Vdss) 100 V   Package / Case TO-261-4, TO-261AA Current - Continuous Drain (Id) @ 25°C 2.4A (Tc)	Series	STripFET™ II	FET Feature	-
Package / Case     TO-261-4, TO-261AA     Current - Continuous Drain (Id) @ 25°C     2.4A (Tc)	Rds On (Max) @ Id, Vgs	260mOhm @ 1.2A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
	Power Dissipation (Max)	3.3W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package Tape & Reel (TR) Base Product Number STN2NF10	Package / Case	TO-261-4, TO-261AA	Current - Continuous Drain (Id) @ 25°C	2.4A (Tc)
	Package	Tape & Reel (TR)	Base Product Number	STN2NF10

# Parts with Similar Specifications

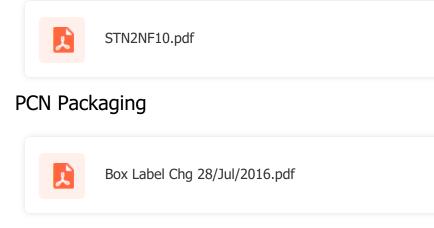
The three parts on the right have similar specifications to STMicroelectronics STN2NF10

Product Attribute			life.augmented	life.augmented
Part Number	STN2NF10	STN2NE10L	STN2NF06	STN2NF06LSF
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Drain to Source Voltage (Vdss)	100 V	100 V	-	-
Vgs(th) (Max) @ Id	4V @ 250µA	3V @ 250µA	-	-
Series	STripFET™ II	STripFET™	-	-
Current - Continuous Drain (Id) @ 25°C	2.4A (Tc)	1.8A (Tc)	-	-
Vgs (Max)	±20V	±20V	-	-
Package / Case	TO-261-4, TO-261AA	TO-261-4, TO-261AA	-	-
Rds On (Max) @ Id, Vgs	260mOhm @ 1.2A, 10V	400mOhm @ 1A, 10V	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	-	-
Mounting Type	Surface Mount	Surface Mount	-	-
Power Dissipation (Max)	3.3W (Tc)	2.5W (Tc)	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	5V, 10V	-	-
Gate Charge (Qg) (Max) @ Vgs	14 nC @ 10 V	14 nC @ 5 V	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	-
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	150°C (TJ)	-	-
<b>FET Туре</b>	N-Channel	N-Channel	-	-
Supplier Device Package	SOT-223	SOT-223	-	-
Input Capacitance (Ciss) (Max) @ Vds	280 pF @ 25 V	345 pF @ 25 V	-	-
Base Product Number	STN2NF10	STN2N	-	-

### STN2NF10 Datasheet PDF

Download STN2NF10 pdf datasheets and STMicroelectronics documentation for STN2NF10 - STMicroelectronics.

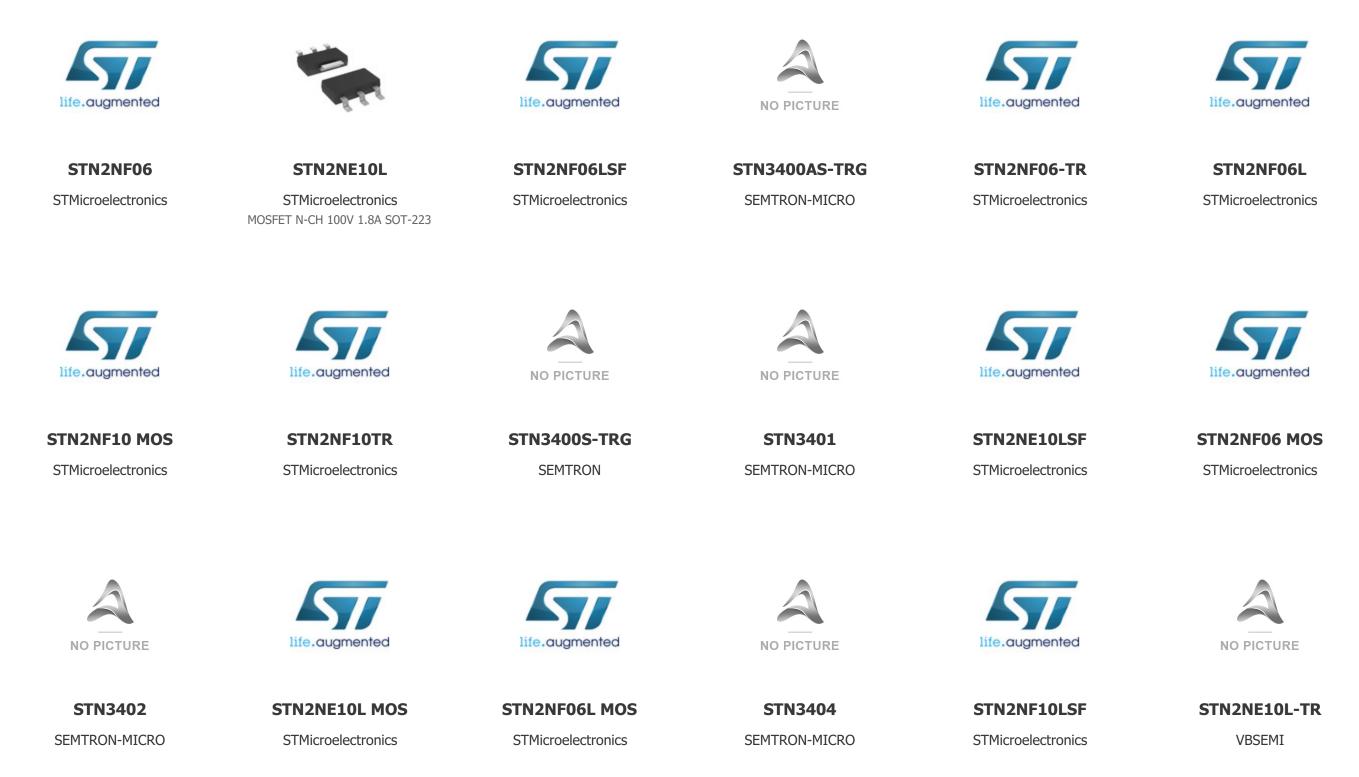
### Datasheets



## PCN Assembly/Origin

### **Customers Also Interested in**

### **Recommended Products**



## **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 -

ನೆನೇ Efficient Supply Management

Cost-Saving Procurement

Fast Sourcing & Delivery

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#### Contact us if you have any questions.



## Certifications & Memberships







Phone +00852 9146 4856 Email

info@allelco.com

View More



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### Contact us

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