



### STF10N105K5 Information



For Reference Only

Part Number STF10N105K5

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 1050V 6A TO220FP

Package TO-220-3 Full Pack

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# STF10N105K5 Specifications

Manufacturer Part Number	STF10N105K5
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	TO-220-3 Full Pack
Series	MDmesh? K5
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	1050V
Current - Continuous Drain (Id) @ 25°C	6A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	5V @ 100μA
Gate Charge (Qg) (Max) @ Vgs	21.5nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	545pF @ 100V
Vgs (Max)	30V
FET Feature	-
Power Dissipation (Max)	30W (Tc)
Rds On (Max) @ Id, Vgs	1.3 Ohm @ 3A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-220FP
Package / Case	TO-220-3 Full Pack
	Report errors?

### STF10N105K5 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.

## STF10N105K5 Payment Methods



















### STF10N105K5 Shipping Methods













If you have any question about STF10N105K5, please do not hesitate to contact us!

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