

	<p>Manufacturer Part Number: STF10N105K5</p>
	<p>Manufacturer/Brand: STMicroelectronics</p>
	<p>Part of Description: MOSFET N-CH 1050V 6A TO220FP</p>
	<p>Datasheets: STF10N105K5.pdf</p>
	<p>RoHs Status:  Lead free / RoHS</p>
	<p>Stock Condition: Compliant New original, Stock Available.</p>
	<p>Ship From: Hong Kong</p>
<p>Image may be representation. See specs for product details.</p>	<p>Shipment Way: DHL/Fedex/TNT/UPS/EMS</p>



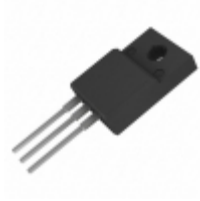
Specifications

Part Number	STF10N105K5
Manufacturer	STMicroelectronics
Description	MOSFET N-CH 1050V 6A TO220FP
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	5V @ 100µA
Vgs (Max)	30V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	TO-220FP
Series	MDmesh™ K5
Rds On (Max) @ Id, Vgs	1.3 Ohm @ 3A, 10V
Power Dissipation (Max)	30W (Tc)
Packaging	Tube
Package / Case	TO-220-3 Full Pack
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole
Input Capacitance (Ciss) (Max) @ Vds	545pF @ 100V
Gate Charge (Qg) (Max) @ Vgs	21.5nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	1050V (1.05kV)
Current - Continuous Drain (Id) @ 25°C	6A (Tc)

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