

 Image may be representation. See specs for product details.	STP46NF30													
	<table><tr><td>Manufacturer Part Number:</td><td>STP46NF30</td></tr><tr><td>Manufacturer/Brand:</td><td>N/A</td></tr><tr><td>Part of Description:</td><td>MOSFET N CH 300V 42A TO-220</td></tr><tr><td>RoHs Status:</td><td> Lead free / RoHS</td></tr><tr><td>Stock Condition:</td><td>Compliant New original, 9544 pcs Stock Available.</td></tr><tr><td>Ship From:</td><td>Hong Kong</td></tr><tr><td>Shipment Way:</td><td>DHL/Fedex/TNT/UPS/EMS</td></tr></table>	Manufacturer Part Number:	STP46NF30	Manufacturer/Brand:	N/A	Part of Description:	MOSFET N CH 300V 42A TO-220	RoHs Status:	 Lead free / RoHS	Stock Condition:	Compliant New original, 9544 pcs Stock Available.	Ship From:	Hong Kong	Shipment Way:
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Specifications	
Part Number	STP46NF30
Manufacturer	N/A
Description	MOSFET N CH 300V 42A TO-220
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	9544 pcs Stock
Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)	±20V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	TO-220
Series	STripFET™ II
Rds On (Max) @ Id, Vgs	75 mOhm @ 17A, 10V
Power Dissipation (Max)	300W (Tc)
Packaging	Tube
Package / Case	TO-220-3
Operating Temperature	175°C (TJ)
Mounting Type	Through Hole
Input Capacitance (Ciss) (Max) @ Vds	3200pF @ 25V
Gate Charge (Qg) (Max) @ Vgs	90nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	300V
Current - Continuous Drain (Id) @ 25°C	42A (Tc)

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