



#### FCPF067N65S3 Information



For Reference Only

Part Number FCPF067N65S3

 Manufacturer
 Fairchild/ON Semiconductor

 Category
 Discrete Semiconductor Products

 Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 650V 44A TO220F

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



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## FCPF067N65S3 Specifications

Manufacturer Part Number         FCPF067N65S3           Manufacturer         Fairchild/ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-220-3 Full Pack           Series         SuperFET? III           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         44A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.5V @ 4.4mA           Gate Charge (Qg) (Max) @ Vgs         78nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3090pF @ 400V           Vgs (Max)         9 dov           FET Feature         -           Power Dissipation (Max)         46W (Tc)           Rds On (Max) @ Id, Vgs         67 mOhm @ 22A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220F           Package / Case         TO-2203 Full Pack		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  Package  TO-220-3 Full Pack  Series  SuperFET? III  FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Forain to Source Voltage (Vdss)  650V  Current - Continuous Drain (Id) @ 25°C  44A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  10V  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  TsnC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  3090pF @ 400V  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  67 mOhm @ 22A, 10V  Operating Temperature  Mounting Type  Through Hole  Supplier Device Package  Package / Case  TO-220F  Package / Case	Manufacturer Part Number	FCPF067N65S3
Package         TO-220-3 Full Pack           Series         SuperFET? III           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         44A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.5V @ 4.4mA           Gate Charge (Qg) (Max) @ Vgs         78nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3090pF @ 400V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         46W (Tc)           Rds On (Max) @ Id, Vgs         67 mOhm @ 22A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220F           Package / Case         TO-220-3 Full Pack	Manufacturer	Fairchild/ON Semiconductor
Package         TO-220-3 Full Pack           Series         SuperFET? III           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         44A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.5 V @ 4.4 mA           Gate Charge (Qg) (Max) @ Vgs         78nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3090pF @ 400V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         46W (Tc)           Rds On (Max) @ Id, Vgs         67 mOhm @ 22A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220F           Package / Case         TO-220-3 Full Pack	Category	Discrete Semiconductor Products
Series         SuperFET? III           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         44A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.5V @ 4.4mA           Gate Charge (Qg) (Max) @ Vgs         78nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3090pF @ 400V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         46W (Tc)           Rds On (Max) @ Id, Vgs         67 mOhm @ 22A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220F           Package / Case         TO-220-3 Full Pack		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  650V  Current - Continuous Drain (Id) @ 25°C  44A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  67 mOhm @ 22A, 10V  Operating Temperature  Mounting Type  Supplier Device Package  Package / Case  N-Channel  MoSFET (Metal Oxide)  MOSFET (Metal Oxide)  44A (Tc)  44A (Tc)  10V  45V @ 4.4mA  3090pF @ 400V  4.5V @ 4.0V  4.50V  4.50V	Package	TO-220-3 Full Pack
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  44A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  4.5V @ 4.4mA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  **ET Feature**  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  Package / Case  MOSFET (Metal Oxide)  650V  44A (Tc)  44A (Tc)  44B (Tc)  4.5V @ 4.4mA  3090pF @ 400V  430V  46W (Tc)  67 mOhm @ 22A, 10V  70-220F  70-220F  70-220F  70-220F	Series	SuperFET? III
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  44A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  4.5V @ 4.4mA  Gate Charge (Qg) (Max) @ Vgs  78nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  67 mOhm @ 22A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  Package / Case  TO-220F  Package / Case	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  4.5V @ 4.4mA  Gate Charge (Qg) (Max) @ Vgs  78nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  3090pF @ 400V  Vgs (Max)  ### ### ### ### ### ### ### ### ### #	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  4.5V @ 4.4mA  Gate Charge (Qg) (Max) @ Vgs  78nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  67 mOhm @ 22A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  Package / Case  TO-220F  Package / Case	Drain to Source Voltage (Vdss)	650V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Adw (Tc)  Rds On (Max) @ Id, Vgs  Operating Temperature  Supplier Device Package  Package / Case  4.5V @ 4.4mA  78nC @ 10V  78nC @ 10V  40V  40V  40V  50PC (TJ)  Through Hole  TO-220F  TO-220F  TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	44A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Jemperature  Through Hole  Supplier Device Package  TO-220-3 Full Pack	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  67 mOhm @ 22A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220F  Package / Case  TO-220-3 Full Pack	Vgs(th) (Max) @ Id	4.5V @ 4.4mA
Vgs (Max) ±30V  FET Feature -  Power Dissipation (Max) 46W (Tc)  Rds On (Max) @ Id, Vgs 67 mOhm @ 22A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package TO-220F  Package / Case TO-220-3 Full Pack	Gate Charge (Qg) (Max) @ Vgs	78nC @ 10V
FET Feature - Power Dissipation (Max) 46W (Tc) Rds On (Max) @ Id, Vgs 67 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Input Capacitance (Ciss) (Max) @ Vds	3090pF @ 400V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  67 mOhm @ 22A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220F  Package / Case  TO-220-3 Full Pack	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs 67 mOhm @ 22A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package TO-220F  Package / Case TO-220-3 Full Pack	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220F  Package / Case  TO-220-3 Full Pack	Power Dissipation (Max)	46W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Rds On (Max) @ Id, Vgs	67 mOhm @ 22A, 10V
Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-220-3 Full Pack	Mounting Type	Through Hole
	Supplier Device Package	TO-220F
Report errors?	Package / Case	TO-220-3 Full Pack
		Report errors?

#### FCPF067N65S3 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.

## FCPF067N65S3 Payment Methods



















## FCPF067N65S3 Shipping Methods













If you have any question about FCPF067N65S3, please do not hesitate to contact us!

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