



FQA13N50C_F109 Information



For Reference Only

Part Number FQA13N50C_F109

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 13.5A

Package TO-3P-3, SC-65-3

For the pricing/inventory/lead time, please contact

us

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



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FQA13N50C_F109 Specifications

Manufacturer Part Number FQA13N50C_F109 Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-3P-3, SC-65-3 Series QFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 13.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 56nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2055pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 218W (Tc) Rds On (Max) @ Id, Vgs 480 mOhm @ 6.75A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-3PN, 3, SC-65-3		
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Series QFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 13.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 56nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2055pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 218W (Tc) Rds On (Max) @ Id, Vgs 480 mOhm @ 6.75A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-3PN Package / Case TO-3P-3, SC-65-3		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C13.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs56nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2055pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)218W (Tc)Rds On (Max) @ Id, Vgs480 mOhm @ 6.75A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-3PNPackage / CaseTO-3P-3, SC-65-3	Series	QFET?
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Current - Continuous Drain (Id) @ 25°C13.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs56nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2055pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)218W (Tc)Rds On (Max) @ Id, Vgs480 mOhm @ 6.75A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-3PNPackage / CaseTO-3P-3, SC-65-3	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs56nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2055pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)218W (Tc)Rds On (Max) @ Id, Vgs480 mOhm @ 6.75A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-3PNPackage / CaseTO-3P-3, SC-65-3	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	13.5A (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 Jenus Age / Case 56nC @ 10V 2055pF @ 25V 230V 218W (Tc) 480 mOhm @ 6.75A, 10V 755°C ~ 150°C (TJ) Through Hole TO-3PN TO-3PN TO-3P-3, SC-65-3	Drive Voltage (Max Rds On, Min Rds On)	10V
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 TO-3PN Package / Case TO-3P-3, SC-65-3	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)218W (Tc)Rds On (Max) @ Id, Vgs480 mOhm @ 6.75A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-3PNPackage / CaseTO-3P-3, SC-65-3	Gate Charge (Qg) (Max) @ Vgs	56nC @ 10V
FET Feature - Power Dissipation (Max) 218W (Tc) Rds On (Max) @ Id, Vgs 480 mOhm @ 6.75A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-3PN Package / Case TO-3P-3, SC-65-3	Input Capacitance (Ciss) (Max) @ Vds	2055pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 480 mOhm @ 6.75A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-3PN Package / Case TO-3P-3, SC-65-3	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs480 mOhm @ 6.75A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-3PNPackage / CaseTO-3P-3, SC-65-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-3PN Package / Case TO-3P-3, SC-65-3	Power Dissipation (Max)	218W (Tc)
Mounting Type Through Hole Supplier Device Package TO-3PN Package / Case TO-3P-3, SC-65-3	Rds On (Max) @ Id, Vgs	480 mOhm @ 6.75A, 10V
Supplier Device Package TO-3PN Package / Case TO-3P-3, SC-65-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-3P-3, SC-65-3	Mounting Type	Through Hole
	Supplier Device Package	TO-3PN
Report errors?	Package / Case	TO-3P-3, SC-65-3
Report offols.		Report errors?

FQA13N50C_F109 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.

FQA13N50C_F109 Payment Methods



















FQA13N50C_F109 Shipping Methods













If you have any question about FQA13N50C_F109, please do not hesitate to contact us!

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