



FDMS0308AS Information



For Reference Only

Part Number FDMS0308AS

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 24A PT8

Package 8-PowerTDFN

For the pricing/inventory/lead time, please contact

us

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



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FDMS0308AS Specifications

Manufacturer Part Number FDMS0308AS Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-PowerTDFN Series PowerTench?, SyncFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 24A (Ta), 49A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ ImA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3000pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Ta), 50W (Tc) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-POWerTDFN		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single 8-PowerTDFN Series PowerTrench?, SyncFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (Ta), 49A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Anough (Qg) (Max) @ Vds 3000pF @ 15V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Dys (Max) @ 1d, Vgs Current - Continuous Drain (Id) @ 25°C Power Dissipation (Max) Supplier Device Package Package / Case Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single 8-PowerTDFN	Manufacturer Part Number	FDMS0308AS
Package 8-PowerTDFN Series PowerTench?, SyncFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 24A (Ta), 49A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ ImA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3000pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Ta), 50W (Tc) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-PowerTDFN	Manufacturer	Fairchild/ON Semiconductor
Package 8-PowerTDFN Series PowerTrench?, SyncFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 24A (Ta), 49A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 1mA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3000pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Ta), 50W (Tc) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-POwerTDFN	Category	Discrete Semiconductor Products
Series PowerTrench?, SyncFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 24A (Ta), 49A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 1mA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3000pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Ta), 50W (Tc) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-PowerTDFN		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 24A (Ta), 49A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 1mA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3000pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Ta), 50W (Tc) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-PowerTDFN	Package	8-PowerTDFN
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (Ta), 49A (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 Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 30V 24A (Ta), 49A (Tc) 24A (Ta), 49A (Tc) 24A (Ta), 49A (Tc) 24A (Tc) 24A (Ta), 49A (Tc) 24A (Ta),	Series	PowerTrench?, SyncFET?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (Ta), 49A (Tc) 24A (Ta), 49A (Tc) 24A (Ta), 49A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 1mA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Ta), 50W (Tc) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 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 2.5W (Ta), 50W (Tc) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature Surface Mount Supplier Device Package Package / Case 8-POWET TDFN	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3V @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2.5W (Ta), 50W (Tc) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-POWERT DFN	Drain to Source Voltage (Vdss)	30V
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 Operating Temperature Supplier Device Package Package / Case 3V @ 1mA 47nC @ 10V 47nC @ 10V 50V 47nC @ 10V 50V 50V 50V 50V 50V 50V 50V	Current - Continuous Drain (Id) @ 25°C	24A (Ta), 49A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-PowerTDFN	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Coperating Temperature Coperating Type Surface Mount Supplier Device Package Package / Case 3000pF @ 15V 3000pF @ 15V 3000pF @ 15V 420V	Vgs(th) (Max) @ Id	3V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 50W (Tc)Rds On (Max) @ Id, Vgs2.8 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-PQFN (5x6), Power56Package / Case8-PowerTDFN	Gate Charge (Qg) (Max) @ Vgs	47nC @ 10V
FET Feature - Power Dissipation (Max) 2.5W (Ta), 50W (Tc) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-PowerTDFN	Input Capacitance (Ciss) (Max) @ Vds	3000pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-PowerTDFN	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs2.8 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-PQFN (5x6), Power56Package / Case8-PowerTDFN	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-PowerTDFN	Power Dissipation (Max)	2.5W (Ta), 50W (Tc)
Mounting Type Surface Mount Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-PowerTDFN	Rds On (Max) @ Id, Vgs	2.8 mOhm @ 24A, 10V
Supplier Device Package 8-PQFN (5x6), Power56 Package / Case 8-PowerTDFN	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-PowerTDFN	Mounting Type	Surface Mount
	Supplier Device Package	8-PQFN (5x6), Power56
Report errors?	Package / Case	8-PowerTDFN
		Report errors?

FDMS0308AS 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.

FDMS0308AS Payment Methods

































If you have any question about FDMS0308AS, please do not hesitate to contact us!

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