



#### FDMC86265P Information

Part Number FDMC86265P

Manufacturer Fairchild/ON Semiconductor Category

Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 150V 1A MLP

8-PowerWDFN **Package** 

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com

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# FDMC86265P Specifications

Manufacturer Part Number         FDMC86265P           Manufacturer         Fairchild/ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-PowerWDFN           Series         PowerTrench?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         150V           Current - Continuous Drain (Id) @ 25°C         1A (Ta), 1.8A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         6V, 10V           Vgs(th) (Max) @ Id         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         4nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         210pF @ 75V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         2.3W (Ta), 16W (Tc)           Rds On (Max) @ Id, Vgs         1.2 Ohm @ 1A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-MLP (3.3x3.3), Power33           Package / Case         8-PowerWDFN		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  8-PowerWDFN Series PowerTrench? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 1A (Ta), 1.8A (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 1.2 Ohm @ 1A, 10V Operating Temperature Supplier Device Package 8-MLP (3.3x3.3), Power33	Manufacturer Part Number	FDMC86265P
Package         8-PowerWDFN           Series         PowerTrench?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         150V           Current - Continuous Drain (Id) @ 25°C         1A (Ta), 1.8A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         6V, 10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         4nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         210pF @ 75V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         2.3W (Ta), 16W (Tc)           Rds On (Max) @ Id, Vgs         1.2 Ohm @ 1A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-MLP (3.3x3.3), Power33	Manufacturer	Fairchild/ON Semiconductor
Package8-PowerWDFNSeriesPowerTrench?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C1A (Ta), 1.8A (Tc)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id4V @ 250µAGate Charge (Qg) (Max) @ Vgs4nC @ 10VInput Capacitance (Ciss) (Max) @ Vds210pF @ 75VVgs (Max)±25VFET Feature-Power Dissipation (Max)2.3W (Ta), 16W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-MLP (3.3x3.3), Power33	Category	Discrete Semiconductor Products
Series PowerTrench?  FET Type P-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 150V  Current - Continuous Drain (Id) @ 25°C 1A (Ta), 1.8A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 6V, 10V  Vgs(th) (Max) @ Id 4V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 4nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 210pF @ 75V  Vgs (Max) ±25V  FET Feature -  Power Dissipation (Max) 2.3W (Ta), 16W (Tc)  Rds On (Max) @ Id, Vgs 1.2 Ohm @ 1A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-MLP (3.3x3.3), Power33		Transistors - FETs, MOSFETs - Single
FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C1A (Ta), 1.8A (Tc)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs4nC @ 10VInput Capacitance (Ciss) (Max) @ Vds210pF @ 75VVgs (Max)±25VFET Feature-Power Dissipation (Max)2.3W (Ta), 16W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-MLP (3.3x3.3), Power33	Package	8-PowerWDFN
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C1A (Ta), 1.8A (Tc)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs4nC @ 10VInput Capacitance (Ciss) (Max) @ Vds210pF @ 75VVgs (Max)±25VFET Feature-Power Dissipation (Max)2.3W (Ta), 16W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-MLP (3.3x3.3), Power33	Series	PowerTrench?
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  1A (Ta), 1.8A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  6V, 10V  Vgs(th) (Max) @ Id  4V @ 250μA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  210pF @ 75V  Vgs (Max)  ±25V  FET Feature  - Power Dissipation (Max)  2.3W (Ta), 16W (Tc)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 1A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  6V, 10V  Vgs(th) (Max) @ Id  4V @ 250µA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  210pF @ 75V  Vgs (Max)  +25V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 1A, 10V  Operating Temperature  Supplier Device Package  1A (Ta), 1.8A (Tc)  1A (Ta), 1.8A (T	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)       6V, 10V         Vgs(th) (Max) @ Id       4V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       4nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       210pF @ 75V         Vgs (Max)       ±25V         FET Feature       -         Power Dissipation (Max)       2.3W (Ta), 16W (Tc)         Rds On (Max) @ Id, Vgs       1.2 Ohm @ 1A, 10V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       8-MLP (3.3x3.3), Power33	Drain to Source Voltage (Vdss)	150V
Vgs(th) (Max) @ Id       4V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       4nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       210pF @ 75V         Vgs (Max)       ±25V         FET Feature       -         Power Dissipation (Max)       2.3W (Ta), 16W (Tc)         Rds On (Max) @ Id, Vgs       1.2 Ohm @ 1A, 10V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       8-MLP (3.3x3.3), Power33	Current - Continuous Drain (Id) @ 25°C	1A (Ta), 1.8A (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  Foundary  Supplier Device Package  4nC @ 10V  210pF @ 75V  2210pF @ 75V  2220  425V  FET Feature	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ETF Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 1A, 10V  Operating Temperature  Coperating Type  Surface Mount  Supplier Device Package  210pF @ 75V  225V  225V  23W (Ta), 16W (Tc)  1.2 Ohm @ 1A, 10V  -55°C ~ 150°C (TJ)  Surface Mount  8-MLP (3.3x3.3), Power33	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±25VFET Feature-Power Dissipation (Max)2.3W (Ta), 16W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-MLP (3.3x3.3), Power33	Gate Charge (Qg) (Max) @ Vgs	4nC @ 10V
FET Feature -  Power Dissipation (Max) 2.3W (Ta), 16W (Tc)  Rds On (Max) @ Id, Vgs 1.2 Ohm @ 1A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-MLP (3.3x3.3), Power33	Input Capacitance (Ciss) (Max) @ Vds	210pF @ 75V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 1A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-MLP (3.3x3.3), Power33	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs1.2 Ohm @ 1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-MLP (3.3x3.3), Power33	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-MLP (3.3x3.3), Power33	Power Dissipation (Max)	2.3W (Ta), 16W (Tc)
Mounting Type Surface Mount Supplier Device Package 8-MLP (3.3x3.3), Power33	Rds On (Max) @ Id, Vgs	1.2 Ohm @ 1A, 10V
Supplier Device Package 8-MLP (3.3x3.3), Power33	Operating Temperature	-55°C ~ 150°C (TJ)
	Mounting Type	Surface Mount
Package / Case 8-PowerWDFN	Supplier Device Package	8-MLP (3.3x3.3), Power33
	Package / Case	8-PowerWDFN
Report errors?		Report errors?

#### FDMC86265P 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.

## FDMC86265P Payment Methods



















### FDMC86265P Shipping Methods













If you have any question about FDMC86265P, please do not hesitate to contact us!

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