



### **FDMC6675BZ Information**

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For Reference Only

Part Number FDMC6675BZ

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET P. CH. 2014 0.5 A. POWED 23

**Description** MOSFET P-CH 30V 9.5A POWER33

Package 8-PowerWDFN

For the pricing/inventory/lead time, please contact

us

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



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# FDMC6675BZ Specifications

Manufacturer Part Number         FDMC6675BZ           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)         30V           Current - Continuous Drain (Id) @ 25°C         9.5A (Ta), 20A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         3V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         65nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2865pF @ 15V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         2.3W (Ta), 36W (Tc)           Rds On (Max) @ Id, Vgs         14.4 mOhm @ 9.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-MLP (3.3x3.3)           Package / Case         8-PowerWDFN		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  8-PowerWDFN  Series  PowerTrench?  FET Type  P-Channel  Technology  MOSFET (Metal Oxide)  Toxin to Source Voltage (Vdss)  Ourrent - 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)  ### 25V  ### 23W (Ta), 36W (Tc)  ### 36W (Tc)  ### 36W (Nax) @ Id, Vgs  ### 14.4 mOhm @ 9.5A, 10V  Operating Temperature  ### 35°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  ### 8-PowerWDFN	Manufacturer Part Number	FDMC6675BZ
Package         8-PowerWDFN           Series         PowerTrench?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         9.5A (Ta), 20A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         3V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         65nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2865pF @ 15V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         2.3W (Ta), 36W (Tc)           Rds On (Max) @ Id, Vgs         14.4 mOhm @ 9.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-MLP (3.3x3.3)           Package / Case         8-PowerWDFN	Manufacturer	Fairchild/ON Semiconductor
Package         8-PowerWDFN           Series         PowerTrench?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         9.5A (Ta), 20A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         3V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         65nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2865pF @ 15V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         2.3W (Ta), 36W (Tc)           Rds On (Max) @ Id, Vgs         14.4 mOhm @ 9.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-MLP (3.3x3.3)           Package / Case         8-PowerWDFN	Category	Discrete Semiconductor Products
Series         PowerTrench?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         9.5A (Ta), 20A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         3V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         65nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2865pF @ 15V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         2.3W (Ta), 36W (Tc)           Rds On (Max) @ Id, Vgs         14.4 mOhm @ 9.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-MLP (3.3x3.3)           Package / Case         8-PowerWDFN		Transistors - FETs, MOSFETs - Single
FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C9.5A (Ta), 20A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs65nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2865pF @ 15VVgs (Max)±25VFET Feature-Power Dissipation (Max)2.3W (Ta), 36W (Tc)Rds On (Max) @ Id, Vgs14.4 mOhm @ 9.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-MLP (3.3x3.3)Package / Case8-PowerWDFN	Package	8-PowerWDFN
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  9.5A (Ta), 20A (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)  **E25V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14.4 mOhm @ 9.5A, 10V  Operating Temperature  Surface Mount  Supplier Device Package  8-MLP (3.3x3.3)  Package / Case  **Cantinuous Drain (Id) @ 25°C  9.5A (Ta), 20A (Tc)  4.5V, 10V  9.5A (Ta), 20A (Tc)  9.5A (Ta), 20A	Series	PowerTrench?
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C9.5A (Ta), 20A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs65nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2865pF @ 15VVgs (Max)±25VFET Feature-Power Dissipation (Max)2.3W (Ta), 36W (Tc)Rds On (Max) @ Id, Vgs14.4 mOhm @ 9.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-MLP (3.3x3.3)Package / Case8-PowerWDFN	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C  Prive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  Ygs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14.4 mOhm @ 9.5A, 10V  Operating Temperature  Supplier Device Package  Package / Case  9.5A (Ta), 20A (Tc)  10V  20V  3V @ 250µA  2865pF @ 15V  225V  FET Feature	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  3V @ 250μA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14.4 mOhm @ 9.5A, 10V  Operating Temperature  Surpface Mount  Supplier Device Package  Package / Case  4.5V, 10V  3V @ 250μA  65nC @ 10V  2865pF @ 15V  2865pF @ 15V  2870	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id       3V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       65nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       2865pF @ 15V         Vgs (Max)       ±25V         FET Feature       -         Power Dissipation (Max)       2.3W (Ta), 36W (Tc)         Rds On (Max) @ Id, Vgs       14.4 mOhm @ 9.5A, 10V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       8-MLP (3.3x3.3)         Package / Case       8-PowerWDFN	Current - Continuous Drain (Id) @ 25°C	9.5A (Ta), 20A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14.4 mOhm @ 9.5A, 10V  Operating Temperature  Operating Type  Surface Mount  Supplier Device Package  8-MLP (3.3x3.3)  Package / Case	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14.4 mOhm @ 9.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-MLP (3.3x3.3)  Package / Case  8-PowerWDFN	Vgs(th) (Max) @ Id	3V @ 250μA
Vgs (Max) ±25V  FET Feature -  Power Dissipation (Max) 2.3W (Ta), 36W (Tc)  Rds On (Max) @ Id, Vgs 14.4 mOhm @ 9.5A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-MLP (3.3x3.3)  Package / Case 8-PowerWDFN	Gate Charge (Qg) (Max) @ Vgs	65nC @ 10V
FET Feature -  Power Dissipation (Max) 2.3W (Ta), 36W (Tc)  Rds On (Max) @ Id, Vgs 14.4 mOhm @ 9.5A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-MLP (3.3x3.3)  Package / Case 8-PowerWDFN	Input Capacitance (Ciss) (Max) @ Vds	2865pF @ 15V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14.4 mOhm @ 9.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-MLP (3.3x3.3)  Package / Case  8-PowerWDFN	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs14.4 mOhm @ 9.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-MLP (3.3x3.3)Package / Case8-PowerWDFN	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-MLP (3.3x3.3)  Package / Case  8-PowerWDFN	Power Dissipation (Max)	2.3W (Ta), 36W (Tc)
Mounting Type Surface Mount Supplier Device Package 8-MLP (3.3x3.3) Package / Case 8-PowerWDFN	Rds On (Max) @ Id, Vgs	14.4 mOhm @ 9.5A, 10V
Supplier Device Package 8-MLP (3.3x3.3) Package / Case 8-PowerWDFN	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-PowerWDFN	Mounting Type	Surface Mount
	Supplier Device Package	8-MLP (3.3x3.3)
Report errors?	Package / Case	8-PowerWDFN
		Report errors?

### FDMC6675BZ 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.

## FDMC6675BZ Payment Methods





















## FDMC6675BZ Shipping Methods













If you have any question about FDMC6675BZ, please do not hesitate to contact us!

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