



## **FQB24N08TM Information**



For Reference Only

Part Number FQB24N08TM

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor Products<br/>Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 80V 24A D2PAK

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

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



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# **FQB24N08TM Specifications**

Manufacturer Part Number         FQB24N08TM           Manufacturer         Fairchild/ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         QFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         80V           Current - Continuous Drain (Id) @ 25°C         24A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         25nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         750pF @ 25V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         3.75W (Ta), 75W (Tc)           Rds On (Max) @ Id, Vgs         60 mOhm @ 12A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK (TO-263AB)           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series QFET? FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 80V  Current - Continuous Drain (Id) @ 25°C 24A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 4v @ 250µA  Gate Charge (Qg) (Max) @ Vgs 25nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 750pF @ 25V  Vgs (Max) ±25V  FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 12A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	FQB24N08TM
Package         To-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         QFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         80V           Current - Continuous Drain (Id) @ 25°C         24A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         25nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         750pF @ 25V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         3.75W (Ta), 75W (Tc)           Rds On (Max) @ Id, Vgs         60 mOhm @ 12A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK (TO-263AB)           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	Fairchild/ON Semiconductor
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series QFET?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 80V  Current - Continuous Drain (Id) @ 25°C 24A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 4V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 25nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 750pF @ 25V  Vgs (Max) ±25V  FET Feature - Power Dissipation (Max) 3.75W (Tc)  Rds On (Max) @ Id, Vgs 60 mOhm @ 12A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case	Category	Discrete Semiconductor Products
Series         QFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         80V           Current - Continuous Drain (Id) @ 25°C         24A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         25nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         750pF @ 25V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         3.75W (Ta), 75W (Tc)           Rds On (Max) @ Id, Vgs         60 mOhm @ 12A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK (TO-263AB)           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type  Technology  MOSFET (Metal Oxide)  Boy  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  Operating Temperature  Supplier Device Package  Package / Case  N-Channel  N-Chanle  N-Chanle  N-Chanle  N-Channel  N-Chanle  N-Chanle  N-Chanle  N-Chanle  N-Chanle  N-Channel  N-Chanle  N-Chanl	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)80VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs25nC @ 10VInput Capacitance (Ciss) (Max) @ Vds750pF @ 25VVgs (Max)±25VFET Feature-Power Dissipation (Max)3.75W (Ta), 75W (Tc)Rds On (Max) @ Id, Vgs60 mOhm @ 12A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	QFET?
Drain to Source Voltage (Vdss)80VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs25nC @ 10VInput Capacitance (Ciss) (Max) @ Vds750pF @ 25VVgs (Max)±25VFET Feature-Power Dissipation (Max)3.75W (Ta), 75W (Tc)Rds On (Max) @ Id, Vgs60 mOhm @ 12A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  10V  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  750pF @ 25V  Vgs (Max)  ±25V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  60 mOhm @ 12A, 10V  Operating Temperature  Surplier Device Package  D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Technology	MOSFET (Metal Oxide)
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 ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  10V  750pF @ 25V  25nC @ 10V  750pF @ 25V  25V  750pF @ 25V  75	Drain to Source Voltage (Vdss)	80V
Vgs(th) (Max) @ Id       4V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       25nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       750pF @ 25V         Vgs (Max)       ±25V         FET Feature       -         Power Dissipation (Max)       3.75W (Ta), 75W (Tc)         Rds On (Max) @ Id, Vgs       60 mOhm @ 12A, 10V         Operating Temperature       -55°C ~ 175°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       D2PAK (TO-263AB)         Package / Case       TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	24A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  750pF @ 25V  Vgs (Max)  ±25V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  60 mOhm @ 12A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  750pF @ 25V  Vgs (Max)  #25V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  60 mOhm @ 12A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±25VFET Feature-Power Dissipation (Max)3.75W (Ta), 75W (Tc)Rds On (Max) @ Id, Vgs60 mOhm @ 12A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	25nC @ 10V
FET Feature -  Power Dissipation (Max) 3.75W (Ta), 75W (Tc)  Rds On (Max) @ Id, Vgs 60 mOhm @ 12A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	750pF @ 25V
Power Dissipation (Max)  3.75W (Ta), 75W (Tc)  60 mOhm @ 12A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs60 mOhm @ 12A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	3.75W (Ta), 75W (Tc)
Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	60 mOhm @ 12A, 10V
Supplier Device Package D2PAK (TO-263AB) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	D2PAK (TO-263AB)
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
•		Report errors?

## FQB24N08TM 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.

## **FQB24N08TM Payment Methods**



















### **FQB24N08TM Shipping Methods**













If you have any question about FQB24N08TM, please do not hesitate to contact us!

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