



## FQB8N60CTM\_WS Information



For Reference Only

Part Number FQB8N60CTM\_WS

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 600V 7.5A

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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# FQB8N60CTM\_WS Specifications

Manufacturer Part Number         FQB8N60CTM_WS           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)         600V           Current - Continuous Drain (Id) @ 25°C         7.5A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         36nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1255pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         3.13W (Ta), 147W (Tc)           Rds On (Max) @ Id, Vgs         1.2 Ohm @ 3.75A, 10V           Operating Temperature         -55°C ~ 150°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) 600V Current - Continuous Drain (Id) @ 25°C 7.5A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4v @ 250µA Gate Charge (Qg) (Max) @ Vgs 36nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 1255pF @ 25V Vgs (Max)  ### ### ### ### ### ### ### ### ### #	Manufacturer Part Number	FQB8N60CTM_WS
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)         600V           Current - Continuous Drain (Id) @ 25°C         7.5A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         36nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1255pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         3.13W (Ta), 147W (Tc)           Rds On (Max) @ Id, Vgs         1.2 Ohm @ 3.75A, 10V           Operating Temperature         -55°C ~ 150°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)  Current - Continuous Drain (Id) @ 25°C  7.5A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  1255pF @ 25V  Vgs (Max)  FET Feature  Power Dissipation (Max)  3.13W (Ta), 147W (Tc)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 3.75A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
Series         QFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         7.5A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         36nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1255pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         3.13W (Ta), 147W (Tc)           Rds On (Max) @ Id, Vgs         1.2 Ohm @ 3.75A, 10V           Operating Temperature         -55°C ~ 150°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)  Fourint to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  T.5A (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 @ 3.75A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  7.5A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  1255pF @ 25V  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 3.75A, 10V  Operating Temperature  Surplier Device Package  D2PAK (TO-263AB)  Package / Case  Mounting Type  Mounting Type (Mount (Max) (Mount (Max)) (Mounting Top-263AB)	Series	QFET?
Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C7.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs36nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1255pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)3.13W (Ta), 147W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 3.75A, 10VOperating Temperature-55°C ~ 150°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)  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 @ 3.75A, 10V  Operating Temperature  Surplier Device Package  Package / Case  7.5A (Tc)  8.0V  1.255pF @ 25V  1.25pF @ 25V  1.2 Ohm @ 3.75A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  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  1.2 Ohm @ 3.75A, 10V  Operating Temperature  Operating Type  Surface Mount  Supplier Device Package  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	600V
Vgs(th) (Max) @ Id       4V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       36nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       1255pF @ 25V         Vgs (Max)       ±30V         FET Feature       -         Power Dissipation (Max)       3.13W (Ta), 147W (Tc)         Rds On (Max) @ Id, Vgs       1.2 Ohm @ 3.75A, 10V         Operating Temperature       -55°C ~ 150°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	7.5A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  1255pF @ 25V  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 3.75A, 10V  Operating Temperature  Operating Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case  36nC @ 10V  1255pF @ 25V  25V  25V  25V  25V  25V  25V  25V	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  1255pF @ 25V  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 3.75A, 10V  Operating Temperature  -55°C ~ 150°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) ±30V  FET Feature -  Power Dissipation (Max) 3.13W (Ta), 147W (Tc)  Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.75A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	36nC @ 10V
FET Feature -  Power Dissipation (Max) 3.13W (Ta), 147W (Tc)  Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.75A, 10V  Operating Temperature -55°C ~ 150°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	1255pF @ 25V
Power Dissipation (Max)  3.13W (Ta), 147W (Tc)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 3.75A, 10V  Operating Temperature  -55°C ~ 150°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)	±30V
Rds On (Max) @ Id, Vgs1.2 Ohm @ 3.75A, 10VOperating Temperature-55°C ~ 150°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 ~ 150°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)	3.13W (Ta), 147W (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	1.2 Ohm @ 3.75A, 10V
Supplier Device Package  D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 150°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?

## FQB8N60CTM\_WS 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.

## FQB8N60CTM\_WS Payment Methods





















### FQB8N60CTM\_WS Shipping Methods













If you have any question about FQB8N60CTM\_WS, please do not hesitate to contact us!

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