



## **FQD7P06TM Information**



For Reference Only

Part Number FQD7P06TM

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

**Description** MOSFET P-CH 60V 5.4A DPAK

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

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



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# **FQD7P06TM Specifications**

Manufacturer Part Number         FQD7P06TM           Manufacturer         Fairchild/ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         QFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         5.4A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         8.2nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         295F @ 25V           Vgs (Max)         2 ±5P @ 25V           Vgs (Max)         2 ±5P @ 25V           Vgs (Max)         2 ±5P @ 25V           Vgs (Max)         4 ± 1 mOhm @ 2.7A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63           Report errors?         Report errors?		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package TO-252-3, DPak (2 Leads + Tab), SC-63  Series QFET? FET Type P-Channel Technology MOSFET (Metal Oxide)  Parin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 5.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 8.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 295pF @ 25V Vgs (Max)  #25V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 451 mOhm @ 2.7A, 10V Operating Temperature Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	FQD7P06TM
Package         To-252-3, DPak (2 Leads + Tab), SC-63           Series         QFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         5.4A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         8.2nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         295pF @ 25V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         2.5W (Ta), 28W (Tc)           Rds On (Max) @ Id, Vgs         451 mOhm @ 2.7A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer	Fairchild/ON Semiconductor
Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         QFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         5.4A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         8.2nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         295pF @ 25V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         2.5W (Ta), 28W (Tc)           Rds On (Max) @ Id, Vgs         451 mOhm @ 2.7A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
Series QFET? FET Type P-Channel Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 5.4A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 8.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 295pF @ 25V Vgs (Max) ±25V FET Feature Power Dissipation (Max) 2.5W (Ta), 28W (Tc) Rds On (Max) @ Id, Vgs 451 mOhm @ 2.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case Too. 252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET Type P-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 60V  Current - Continuous Drain (Id) @ 25°C 5.4A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 4V @ 250μA  Gate Charge (Qg) (Max) @ Vgs 8.2nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 295pF @ 25V  Vgs (Max) ±25V  FET Feature - Power Dissipation (Max) 2.5W (Ta), 28W (Tc)  Rds On (Max) @ Id, Vgs 451 mOhm @ 2.7A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D-Pak  Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C5.4A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs8.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds295pF @ 25VVgs (Max)±25VFET Feature-Power Dissipation (Max)2.5W (Ta), 28W (Tc)Rds On (Max) @ Id, Vgs451 mOhm @ 2.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	QFET?
Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C5.4A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs8.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds295pF @ 25VVgs (Max)±25VFET Feature-Power Dissipation (Max)2.5W (Ta), 28W (Tc)Rds On (Max) @ Id, Vgs451 mOhm @ 2.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	P-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  451 mOhm @ 2.7A, 10V  Operating Temperature  Supplier Device Package  Package / Case  5.4A (Tc)  6.4  4V @ 250µA  8.2nC @ 10V  2.95pF @ 25V  4.5  4.5  4.5  4.5  4.5  4.5  4.5  4	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs8.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds295pF @ 25VVgs (Max)±25VFET Feature-Power Dissipation (Max)2.5W (Ta), 28W (Tc)Rds On (Max) @ Id, Vgs451 mOhm @ 2.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	60V
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  Found Temperature  Supplier Device Package  Package / Case  Av @ 250μA  48.2nC @ 10V  295pF @ 25V  295pF @ 25V  25V  FET Feature  -  Contact Toler  Found Toler  Supplier Device Package  TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	5.4A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  295pF @ 25V  Vgs (Max)  ±25V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  451 mOhm @ 2.7A, 10V  Operating Temperature  Joseph Guran Surface Mount  Supplier Device Package  Package / Case  Surface Mount  TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  295pF @ 25V  Vgs (Max)  ±25V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  451 mOhm @ 2.7A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±25VFET Feature-Power Dissipation (Max)2.5W (Ta), 28W (Tc)Rds On (Max) @ Id, Vgs451 mOhm @ 2.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	8.2nC @ 10V
FET Feature -  Power Dissipation (Max) 2.5W (Ta), 28W (Tc)  Rds On (Max) @ Id, Vgs 451 mOhm @ 2.7A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D-Pak  Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	295pF @ 25V
Power Dissipation (Max)  2.5W (Ta), 28W (Tc)  451 mOhm @ 2.7A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs451 mOhm @ 2.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	2.5W (Ta), 28W (Tc)
Mounting Type Surface Mount  Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	451 mOhm @ 2.7A, 10V
Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	D-Pak
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

### **FQD7P06TM 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.

### **FQD7P06TM Payment Methods**



















### **FQD7P06TM Shipping Methods**













If you have any question about FQD7P06TM, please do not hesitate to contact us!

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