



# FQD7P20TM\_F080 Information



For Reference Only

Part Number FQD7P20TM\_F080

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

**Description**MOSFET P-CH 200V 5.7A 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



Request a Quote

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









### FQD7P20TM\_F080 Specifications

Manufacturer Part Number         FQD7P20TM_F080           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)         200V           Current - Continuous Drain (Id) @ 25°C         5.7A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         25nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         770pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         2.5W (Ta), 55W (Tc)           Rds On (Max) @ Id, Vgs         690 mOhm @ 2.85A, 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		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesQFET?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C5.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250µAGate Charge (Qg) (Max) @ Vgs25nC @ 10VInput Capacitance (Ciss) (Max) @ Vds770pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)2.5W (Ta), 55W (Tc)Rds On (Max) @ Id, Vgs690 mOhm @ 2.85A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	FQD7P20TM_F080
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)         200V           Current - Continuous Drain (Id) @ 25°C         5.7A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         25nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         770pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         2.5W (Ta), 55W (Tc)           Rds On (Max) @ Id, Vgs         690 mOhm @ 2.85A, 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
PackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesQFET?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C5.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs25nC @ 10VInput Capacitance (Ciss) (Max) @ Vds770pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)2.5W (Ta), 55W (Tc)Rds On (Max) @ Id, Vgs690 mOhm @ 2.85A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-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)         200V           Current - Continuous Drain (Id) @ 25°C         5.7A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         25nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         770pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         2.5W (Ta), 55W (Tc)           Rds On (Max) @ Id, Vgs         690 mOhm @ 2.85A, 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		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 5.7A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 25nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 770pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 2.5W (Ta), 55W (Tc) Rds On (Max) @ Id, Vgs 690 mOhm @ 2.85A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO.	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C5.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs25nC @ 10VInput Capacitance (Ciss) (Max) @ Vds770pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)2.5W (Ta), 55W (Tc)Rds On (Max) @ Id, Vgs690 mOhm @ 2.85A, 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)200VCurrent - Continuous Drain (Id) @ 25°C5.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs25nC @ 10VInput Capacitance (Ciss) (Max) @ Vds770pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)2.5W (Ta), 55W (Tc)Rds On (Max) @ Id, Vgs690 mOhm @ 2.85A, 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  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  5.7A (Tc)  6.7  6.7  6.7  6.7  6.7  6.7  6.7  6.	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs25nC @ 10VInput Capacitance (Ciss) (Max) @ Vds770pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)2.5W (Ta), 55W (Tc)Rds On (Max) @ Id, Vgs690 mOhm @ 2.85A, 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)	200V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  770pF @ 25V  Vgs (Max)  ±30V  FET Feature  - Power Dissipation (Max)  Add Con (Max) @ Id, Vgs  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	5.7A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  770pF @ 25V  Vgs (Max)  ±30V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  690 mOhm @ 2.85A, 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	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  770pF @ 25V  Vgs (Max)  ET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  690 mOhm @ 2.85A, 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	5V @ 250μA
Vgs (Max) ±30V  FET Feature -  Power Dissipation (Max) 2.5W (Ta), 55W (Tc)  Rds On (Max) @ Id, Vgs 690 mOhm @ 2.85A, 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	Gate Charge (Qg) (Max) @ Vgs	25nC @ 10V
FET Feature -  Power Dissipation (Max) 2.5W (Ta), 55W (Tc)  Rds On (Max) @ Id, Vgs 690 mOhm @ 2.85A, 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	770pF @ 25V
Power Dissipation (Max)  2.5W (Ta), 55W (Tc)  Rds On (Max) @ Id, Vgs  690 mOhm @ 2.85A, 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)	±30V
Rds On (Max) @ Id, Vgs690 mOhm @ 2.85A, 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), 55W (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	690 mOhm @ 2.85A, 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?

### FQD7P20TM\_F080 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.

### FQD7P20TM\_F080 Payment Methods



















## FQD7P20TM\_F080 Shipping Methods













If you have any question about FQD7P20TM\_F080, please do not hesitate to contact us!

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