

FQD10N20LTM

lest a Quote

FQD10N20LTM Information

www.helsener.com	Part Number	FQD10N20LTM	
	Manufacturer	Fairchild/ON Semiconductor	
	Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single	780
	Description	MOSFET N-CH 200V 7.6A DPAK	207
	Package	TO-252-3, DPak (2 Leads + Tab), SC-63	- 222
		For the pricing/inventory/lead time, please contact us	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Reque

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.



FQD10N20LTM Specifications

Manufacturer Part Number FQD10N20LTM Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series QFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 7.6A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 17nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 830pF @ 25V Vgs (Max) 2SW (Ta), 51W (Tc) Rds On (Max) @ Id, Vgs 2SW (Ta), 51W (Tc) Rds On (Max) @ Id, Vgs 360 mOhm @ 3.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252, (D-Pak)		
CategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesQFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C7.6A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2V @ 250µAGate Charge (Qg) (Max) @ Vgs300F @ 25VInput Capacitance (Ciss) (Max) @ Vds830pF @ 25VVgs (Max)-Power Dissipation (Max)0.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature55°C ~ 150°C (TJ)Moutting TypeSurface MountSupplier Device PackageTO-252, DPak (2 Leads + Tab), SC-63Pokage / CaseTo-252, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	FQD10N20LTM
Transistors - FETs, MOSFETs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesQFET?FET TypeN-ChannelTechnology200VDrain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C7.6A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id20°QGate Charge (Qg) (Max) @ Vgs17nC @ 5VInput Capacitance (Ciss) (Max) @ Vds830pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, DPak (2 Leads + Tab), SC-63	Manufacturer	Fairchild/ON Semiconductor
PackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesQFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C7.6A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2V @ 250µAGate Charge (Qg) (Max) @ Vds830pF @ 25VInput Capacitance (Ciss) (Max) @ Vds830pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Ads On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
SeriesQFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C7.6A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2V @ 250µAGate Charge (Qg) (Max) @ Vgs17nC @ 5VInput Capacitance (Ciss) (Max) @ Vds830pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252, 3. PDak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C7.6A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2V @ 250µAGate Charge (Qg) (Max) @ Vds17nC @ 5VInput Capacitance (Ciss) (Max) @ Vds830pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 7.6A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 17nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 830pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Ta), 51W (Tc) Rds On (Max) @ Id, Vgs 360 mOhm @ 3.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252, DPak (2 Leads + Tab), SC-63	Series	QFET?
Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 7.6A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 17nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 830pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Ta), 51W (Tc) Rds On (Max) @ Id, Vgs 360 mOhm @ 3.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 7.6A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 17nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 830pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Ta), 51W (Tc) Rds On (Max) @ Id, Vgs 360 mOhm @ 3.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2V @ 250µAGate Charge (Qg) (Max) @ Vgs17nC @ 5VInput Capacitance (Ciss) (Max) @ Vds830pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	200V
Vgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs17nC @ 5VInput Capacitance (Ciss) (Max) @ Vds830pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	7.6A (Tc)
Gate Charge (Qg) (Max) @ Vgs17nC @ 5VInput Capacitance (Ciss) (Max) @ Vds830pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Input Capacitance (Ciss) (Max) @ Vds830pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	2V @ 250µA
Ygs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	17nC @ 5V
FET Feature-Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	830pF @ 25V
Power Dissipation (Max)2.5W (Ta), 51W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs360 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	2.5W (Ta), 51W (Tc)
Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	360 mOhm @ 3.8A, 10V
Supplier Device PackageTO-252, (D-Pak)Package / CaseTO-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	TO-252, (D-Pak)
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
1		Report errors?

FQD10N20LTM 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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

FQD10N20LTM Payment Methods



FQD10N20LTM Shipping Methods



If you have any question about FQD10N20LTM, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com