



FDZ193P Information



For Reference Only

Part Number FDZ193P

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

MOSFETT P. CHAROLICA & N. M. GER

Description MOSFET P-CH 20V 3A 8-WLCSP

Package 6-UFBGA, WLCSP

For the pricing/inventory/lead time, please contact

us

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



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FDZ193P Specifications

Manufacturer Part Number FDZ193P Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 6-UFBGA, WLCSP Series PowerTrench? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 3A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.7V, 4.5V Vgs(th) (Max) @ Id 1.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 10nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 660pF @ 10V Vgs (Max) ±12V FET Feature - Power Dissipation (Max) 1.9W (Ta) Rds On (Max) @ Id, Vgs 90 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-WLCSP Package / Case 6-UFBGA, WLCSP		
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Series PowerTrench? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 3A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.7V, 4.5V Vgs(th) (Max) @ Id 1.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 10nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 660pF @ 10V Vgs (Max) ±12V FET Feature - Power Dissipation (Max) 1.9W (Ta) Rds On (Max) @ Id, Vgs 90 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-WLCSP Package / Case 6-UFBGA, WLCSP		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C3A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.7V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs10nC @ 10VInput Capacitance (Ciss) (Max) @ Vds660pF @ 10VVgs (Max)±12VFET Feature-Power Dissipation (Max)1.9W (Ta)Rds On (Max) @ Id, Vgs90 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-WLCSPPackage / Case6-UFBGA, WLCSP	Series	PowerTrench?
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Drive Voltage (Max Rds On, Min Rds On)1.7V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs10nC @ 10VInput Capacitance (Ciss) (Max) @ Vds660pF @ 10VVgs (Max)±12VFET Feature-Power Dissipation (Max)1.9W (Ta)Rds On (Max) @ Id, Vgs90 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-WLCSPPackage / Case6-UFBGA, WLCSP	Drain to Source Voltage (Vdss)	20V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 10nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 660pF @ 10V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 0perating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 6-UFBGA, WLCSP	Current - Continuous Drain (Id) @ 25°C	3A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 660pF @ 10V Vgs (Max) ±12V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 90 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-WLCSP Package / Case 6-UFBGA, WLCSP	Drive Voltage (Max Rds On, Min Rds On)	1.7V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET 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 6-UFBGA, WLCSP	Vgs(th) (Max) @ Id	1.5V @ 250μA
Vgs (Max)±12VFET Feature-Power Dissipation (Max)1.9W (Ta)Rds On (Max) @ Id, Vgs90 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-WLCSPPackage / Case6-UFBGA, WLCSP	Gate Charge (Qg) (Max) @ Vgs	10nC @ 10V
FET Feature - Power Dissipation (Max) 1.9W (Ta) Rds On (Max) @ Id, Vgs 90 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-WLCSP Package / Case 6-UFBGA, WLCSP	Input Capacitance (Ciss) (Max) @ Vds	660pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 90 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-WLCSP Package / Case 6-UFBGA, WLCSP	Vgs (Max)	±12V
Rds On (Max) @ Id, Vgs90 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-WLCSPPackage / Case6-UFBGA, WLCSP	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-WLCSP Package / Case 6-UFBGA, WLCSP	Power Dissipation (Max)	1.9W (Ta)
Mounting Type Surface Mount Supplier Device Package 6-WLCSP Package / Case 6-UFBGA, WLCSP	Rds On (Max) @ Id, Vgs	90 mOhm @ 1A, 4.5V
Supplier Device Package 6-WLCSP Package / Case 6-UFBGA, WLCSP	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 6-UFBGA, WLCSP	Mounting Type	Surface Mount
	Supplier Device Package	6-WLCSP
Report errors?	Package / Case	6-UFBGA, WLCSP
		Report errors?

FDZ193P 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.

FDZ193P Payment Methods





















FDZ193P Shipping Methods













If you have any question about FDZ193P, please do not hesitate to contact us!

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