

FDB8832 Information



For Reference Only

Part Number FDB8832

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 80A D2PAK

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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FDB8832 Specifications

Manufacturer Part Number FDB8832 Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series PowerTrench? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 34A (Ta), 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 165nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 11400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 1.9 mOhm @ 80A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (TO-263AB) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
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PackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeriesPowerTrench?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C34A (Ta), 80A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs265nC @ 10VInput Capacitance (Ciss) (Max) @ Vds11400pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)300W (Tc)Rds On (Max) @ Id, Vgs1.9 mOhm @ 80A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
Series PowerTrench? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 34A (Ta), 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 265nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 11400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 1.9 mOhm @ 80A, 10V Operating Temperature -55°C ~ 175°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) Drain to Source Voltage (Vdss) Ourrent - Continuous Drain (Id) @ 25°C 34A (Ta), 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 11400pF @ 15V Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.9 mOhm @ 80A, 10V Operating Temperature Supplier Device Package Package / Case N-Channel N-Chanle N-Channel N-Channel N-Chanle N-Chanle N-Channel N-Chanle N-Chanle N-Channel N-Chanle N-Chan	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C34A (Ta), 80A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs265nC @ 10VInput Capacitance (Ciss) (Max) @ Vds11400pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)300W (Tc)Rds On (Max) @ Id, Vgs1.9 mOhm @ 80A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	PowerTrench?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 34A (Ta), 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 11400pF @ 15V Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.9 mOhm @ 80A, 10V Operating Temperature Supplier Device Package D2PAK (TO-263AB) Package / Case 30V 30V 30V 30V 30V 30V 30V 30	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 1.9 mOhm @ 80A, 10V Operating Temperature Surplier Device Package Package / Case 34A (Ta), 80A (Tc) 34A (Ta), 80A (Tc) 345 (Ta), 80A (Tc) 345 (Ta), 80A (Tc) 345 (Ta), 80A (Tc) 346 (Ta), 80A (Tc) 347 (Ta), 80A (Tc) 348 (Ta), 80A (Tc) 347 (Ta), 80A (Tc) 348 (Ta), 80A (Tc) 347 (Ta), 80A (Tc) 348 (Ta), 80A (Tc) 349 (Tc)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs265nC @ 10VInput Capacitance (Ciss) (Max) @ Vds11400pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)300W (Tc)Rds On (Max) @ Id, Vgs1.9 mOhm @ 80A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 11400pF @ 15V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.9 mOhm @ 80A, 10V Operating Temperature 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	34A (Ta), 80A (Tc)
Gate Charge (Qg) (Max) @ Vgs 265nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 11400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 1.9 mOhm @ 80A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (TO-263AB) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.9 mOhm @ 80A, 10V Operating Temperature -55°C ~ 175°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	3V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)300W (Tc)Rds On (Max) @ Id, Vgs1.9 mOhm @ 80A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	265nC @ 10V
FET Feature - Gover Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 1.9 mOhm @ 80A, 10V Operating Temperature -55°C ~ 175°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	11400pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.9 mOhm @ 80A, 10V Operating Temperature -55°C ~ 175°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)	±20V
Rds On (Max) @ Id, Vgs1.9 mOhm @ 80A, 10VOperating Temperature-55°C ~ 175°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 ~ 175°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)	300W (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	1.9 mOhm @ 80A, 10V
Supplier Device Package D2PAK (TO-263AB) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 175°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?

FDB8832 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.

FDB8832 Payment Methods





















FDB8832 Shipping Methods













If you have any question about FDB8832, please do not hesitate to contact us!

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