



DMN3730UFB-7 Information



For Reference Only

Part Number DMN3730UFB-7
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 750MA DFN

Package 3-UFDFN

For the pricing/inventory/lead time, please contact

us

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



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DMN3730UFB-7 Specifications

Manufacturer Part Number DMN3730UFB-7 Manufacturer Diodes Incorporated Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 3-UFDFN Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 750mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 950mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 1.6nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 4.3pF @ 25V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 470mW (Ta) Rds On (Max) @ Id, Vgs 460 mOhm @ 200mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-DFN Package / Case 3-UFDFN		
CategoryDiscrete Semiconductor ProductsPackage3-UFDFNSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C750mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id950mV @ 250μAGate Charge (Qg) (Max) @ Vgs1.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds64.3pF @ 25VVgs (Max)±8VFET Feature-Power Dissipation (Max)470mW (Ta)Rds On (Max) @ Id, Vgs460 mOhm @ 200mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-DFNPackage / Case3-UFDFN	Manufacturer Part Number	DMN3730UFB-7
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Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C750mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id950mV @ 250μAGate Charge (Qg) (Max) @ Vgs1.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds64.3pF @ 25VVgs (Max)±8VFET Feature-Power Dissipation (Max)470mW (Ta)Rds On (Max) @ Id, Vgs460 mOhm @ 200mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-DFNPackage / Case3-UFDFN		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C750mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id950mV @ 250μAGate Charge (Qg) (Max) @ Vgs1.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds64.3pF @ 25VVgs (Max)±8VFET Feature-Power Dissipation (Max)470mW (Ta)Rds On (Max) @ Id, Vgs460 mOhm @ 200mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-DFNPackage / Case3-UFDFN	Series	-
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C750mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id950mV @ 250μAGate Charge (Qg) (Max) @ Vgs1.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds64.3pF @ 25VVgs (Max)±8VFET Feature-Power Dissipation (Max)470mW (Ta)Rds On (Max) @ Id, Vgs460 mOhm @ 200mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-DFNPackage / Case3-UFDFN	FET Type	N-Channel
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Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id950mV @ 250μAGate Charge (Qg) (Max) @ Vgs1.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds64.3pF @ 25VVgs (Max)±8VFET Feature-Power Dissipation (Max)470mW (Ta)Rds On (Max) @ Id, Vgs460 mOhm @ 200mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-DFNPackage / Case3-UFDFN	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id950mV @ 250μAGate Charge (Qg) (Max) @ Vgs1.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds64.3pF @ 25VVgs (Max)±8VFET Feature-Power Dissipation (Max)470mW (Ta)Rds On (Max) @ Id, Vgs460 mOhm @ 200mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-DFNPackage / Case3-UFDFN	Current - Continuous Drain (Id) @ 25°C	750mA (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 64.3pF @ 25V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 460 mOhm @ 200mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-DFN Package / Case 3-UFDFN	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 460 mOhm @ 200mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-DFN Package / Case 3-UFDFN	Vgs(th) (Max) @ Id	950mV @ 250μA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)470mW (Ta)Rds On (Max) @ Id, Vgs460 mOhm @ 200mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-DFNPackage / Case3-UFDFN	Gate Charge (Qg) (Max) @ Vgs	1.6nC @ 4.5V
FET Feature - Power Dissipation (Max) 470mW (Ta) Rds On (Max) @ Id, Vgs 460 mOhm @ 200mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-DFN Package / Case 3-UFDFN	Input Capacitance (Ciss) (Max) @ Vds	64.3pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 460 mOhm @ 200mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-DFN Package / Case 3-UFDFN	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs460 mOhm @ 200mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-DFNPackage / Case3-UFDFN	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-DFN Package / Case 3-UFDFN	Power Dissipation (Max)	470mW (Ta)
Mounting Type Surface Mount Supplier Device Package 3-DFN Package / Case 3-UFDFN	Rds On (Max) @ Id, Vgs	460 mOhm @ 200mA, 4.5V
Supplier Device Package 3-DFN Package / Case 3-UFDFN	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 3-UFDFN	Mounting Type	Surface Mount
-	Supplier Device Package	3-DFN
Report errors?	Package / Case	3-UFDFN
		Report errors?

DMN3730UFB-7 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.

DMN3730UFB-7 Payment Methods









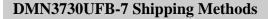
























If you have any question about DMN3730UFB-7, please do not hesitate to contact us!

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