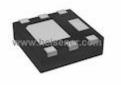




DMN3021LFDF-7 Information



For Reference Only

Part Number DMN3021LFDF-7
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET BVDSS: 25V 30V U-DFN2020-

Package 6-UDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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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.









DMN3021LFDF-7 Specifications

Manufacturer Part Number DMN3021LFDF-7 Manufacturer Diodes Incorporated Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 6-UDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 11.8A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 14nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 706pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.03W (Ta) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 6-UDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Ourrent - Continuous Drain (Id) @ 25°C 11.8A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 14nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) EET Feature Power Dissipation (Max) Rds On (Max) @ 1d, Vgs 15 mOhm @ 7A, 10V Deprating Temperature Supplier Device Package U-DFN2020-6 (Type F) Package / Case	Manufacturer Part Number	DMN3021LFDF-7
Package 6-UDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 11.8A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 14nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 706pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.03W (Ta) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Manufacturer	Diodes Incorporated
Package 6-UDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 11.8A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 14nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 706pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.03W (Ta) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 11.8A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 14nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 706pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.03W (Ta) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 11.8A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 14nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 706pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.03W (Ta) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature 55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case	Package	6-UDFN Exposed Pad
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C11.8A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds706pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.03W (Ta)Rds On (Max) @ Id, Vgs15 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageU-DFN2020-6 (Type F)Package / Case6-UDFN Exposed Pad	Series	-
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C11.8A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds706pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.03W (Ta)Rds On (Max) @ Id, Vgs15 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageU-DFN2020-6 (Type F)Package / Case6-UDFN Exposed Pad	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 14nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 706pF @ 15V Vgs (Max) #20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds706pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.03W (Ta)Rds On (Max) @ Id, Vgs15 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageU-DFN2020-6 (Type F)Package / Case6-UDFN Exposed Pad	Drain to Source Voltage (Vdss)	30V
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 Jupit Temperature Surplier Device Package Vgs(th) (Max) @ Id, Vgs U-DFN2020-6 (Type F) Package / Case Package (Vds) 14nC @ 10V 706pF @ 15V +20V FET Feature - Noperating Temperature - Surface Mount U-DFN2020-6 (Type F) Package / Case	Current - Continuous Drain (Id) @ 25°C	11.8A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 706pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Vgs(th) (Max) @ Id	2.2V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)2.03W (Ta)Rds On (Max) @ Id, Vgs15 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageU-DFN2020-6 (Type F)Package / Case6-UDFN Exposed Pad	Gate Charge (Qg) (Max) @ Vgs	14nC @ 10V
FET Feature - Common Power Dissipation (Max) 2.03W (Ta) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Input Capacitance (Ciss) (Max) @ Vds	706pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 15 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs15 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageU-DFN2020-6 (Type F)Package / Case6-UDFN Exposed Pad	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Power Dissipation (Max)	2.03W (Ta)
Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Rds On (Max) @ Id, Vgs	15 mOhm @ 7A, 10V
Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 6-UDFN Exposed Pad	Mounting Type	Surface Mount
	Supplier Device Package	U-DFN2020-6 (Type F)
Report errors?	Package / Case	6-UDFN Exposed Pad
		Report errors?

DMN3021LFDF-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.

DMN3021LFDF-7 Payment Methods



















DMN3021LFDF-7 Shipping Methods













If you have any question about DMN3021LFDF-7, please do not hesitate to contact us!

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