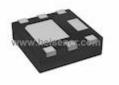




## **DMN2011UFDF-7 Information**



For Reference Only

Part Number DMN2011UFDF-7
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET BVDSS: 8V 24V U-DFN2020-6

Package 6-UDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **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.









# **DMN2011UFDF-7 Specifications**

Manufacturer Part Number         DMN2011UFDF-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)         20V           Current - Continuous Drain (Id) @ 25°C         14.2A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4.5V           Vgs(th) (Max) @ Id         1V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         56nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2248pF @ 10V           Vgs (Max)         ±12V           FET Feature         -           Power Dissipation (Max)         2.1W (Ta)           Rds On (Max) @ Id, Vgs         9.5 mOhm @ 7A, 4.5V           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 Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 14.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4.5V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 150nC 112V 112V 112V 112V 112V 112V 112V 112	Manufacturer Part Number	DMN2011UFDF-7
Package         6-UDFN Exposed Pad           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         14.2A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4.5V           Vgs(th) (Max) @ Id         1V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         56nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2248pF @ 10V           Vgs (Max)         ±12V           FET Feature         -           Power Dissipation (Max)         2.1W (Ta)           Rds On (Max) @ Id, Vgs         9.5 mOhm @ 7A, 4.5V           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
Package6-UDFN Exposed PadSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C14.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.5V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs56nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2248pF @ 10VVgs (Max)±12VFET Feature-Power Dissipation (Max)2.1W (Ta)Rds On (Max) @ Id, Vgs9.5 mOhm @ 7A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageU-DFN 2020-6 (Type F)Package / Case6-UDFN Exposed Pad	Category	Discrete Semiconductor Products
Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         14.2A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4.5V           Vgs(th) (Max) @ Id         1V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         56nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2248pF @ 10V           Vgs (Max)         ±12V           FET Feature         -           Power Dissipation (Max)         2.1W (Ta)           Rds On (Max) @ Id, Vgs         9.5 mOhm @ 7A, 4.5V           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 TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C14.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.5V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs56nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2248pF @ 10VVgs (Max)±12VFET Feature-Power Dissipation (Max)2.1W (Ta)Rds On (Max) @ Id, Vgs9.5 mOhm @ 7A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageU-DFN2020-6 (Type F)Package / Case6-UDFN Exposed Pad	Package	6-UDFN Exposed Pad
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C14.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.5V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs56nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2248pF @ 10VVgs (Max)±12VFET Feature-Power Dissipation (Max)2.1W (Ta)Rds On (Max) @ Id, Vgs9.5 mOhm @ 7A, 4.5VOperating 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)20VCurrent - Continuous Drain (Id) @ 25°C14.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.5V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs56nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2248pF @ 10VVgs (Max)±12VFET Feature-Power Dissipation (Max)2.1W (Ta)Rds On (Max) @ Id, Vgs9.5 mOhm @ 7A, 4.5VOperating 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)  1.5V, 4.5V  Vgs(th) (Max) @ Id  1V @ 250µA  Gate Charge (Qg) (Max) @ Vgs  56nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  2248pF @ 10V  Vgs (Max)  ±12V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  9.5 mOhm @ 7A, 4.5V  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)1.5V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs56nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2248pF @ 10VVgs (Max)±12VFET Feature-Power Dissipation (Max)2.1W (Ta)Rds On (Max) @ Id, Vgs9.5 mOhm @ 7A, 4.5VOperating 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)	20V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  16nc @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET 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  1V @ 250μA  1V @ 250μA  1V @ 250μA  10V  2248pF @ 10V  2248pF	Current - Continuous Drain (Id) @ 25°C	14.2A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  2248pF @ 10V  Vgs (Max)  ±12V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  9.5 mOhm @ 7A, 4.5V  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)	1.5V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds  2248pF @ 10V  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  9.5 mOhm @ 7A, 4.5V  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	1V @ 250μA
Vgs (Max)±12VFET Feature-Power Dissipation (Max)2.1W (Ta)Rds On (Max) @ Id, Vgs9.5 mOhm @ 7A, 4.5VOperating 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	56nC @ 10V
FET Feature - Case - Ca	Input Capacitance (Ciss) (Max) @ Vds	2248pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  9.5 mOhm @ 7A, 4.5V  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)	±12V
Rds On (Max) @ Id, Vgs9.5 mOhm @ 7A, 4.5VOperating 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  Supplier Device Package  U-DFN2020-6 (Type F)  Package / Case  6-UDFN Exposed Pad	Power Dissipation (Max)	2.1W (Ta)
Mounting Type Surface Mount Supplier Device Package U-DFN2020-6 (Type F) Package / Case 6-UDFN Exposed Pad	Rds On (Max) @ Id, Vgs	9.5 mOhm @ 7A, 4.5V
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?

### **DMN2011UFDF-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.

## **DMN2011UFDF-7 Payment Methods**



















### **DMN2011UFDF-7 Shipping Methods**













If you have any question about DMN2011UFDF-7, please do not hesitate to contact us!

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