



DMN10H099SFG-7 Information



For Reference Only

Part Number DMN10H099SFG-7
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 4.2A PWRDI3333

Package 8-PowerWDFN

For the pricing/inventory/lead time, please contact

us

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



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DMN10H099SFG-7 Specifications

Manufacturer Part Number DMN10H099SFG-7 Manufacturer Diodes Incorporated Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-PowerWDFN Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 25.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1172pF @ 50V Vgs (Max) 24V FET Feature - Power Dissipation (Max) 980mW (Ta) Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDJ3333-8 Package / Case 8-PowerWDFN		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-PowerWDFN Series - FET Type N-Channel Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Prive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1172pF @ 50V Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Rds On (Max) @ Id, Vgs Surface Mount Supplier Device Package Package / Case PowerWDFN	Manufacturer Part Number	DMN10H099SFG-7
Package 8-PowerWDFN Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 25.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1172pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 980mW (Ta) Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI3333-8 Package / Case 8-PowerWDFN	Manufacturer	Diodes Incorporated
Package 8-PowerWDFN Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 25.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1172pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 980mW (Ta) Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI3333-8 Package / Case 8-PowerWDFN	Category	Discrete Semiconductor Products
Series - Channel FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 25.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1172pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI3333-8 Package / Case		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 25.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1172pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 980mW (Ta) Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI3333-8 Package / Case 8-PowerWDFN	Package	8-PowerWDFN
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) 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 Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 100V 4.2A (Ta) 5.0 4.2A (Ta)	Series	-
Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C4.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs25.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1172pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)980mW (Ta)Rds On (Max) @ Id, Vgs80 mOhm @ 3.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI3333-8Package / Case8-PowerWDFN	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 80 mOhm @ 3.3A, 10V Operating Temperature Supplier Device Package Package / Case 4.2A (Ta) 6V, 10V 6V 6V, 10V 6V 6V, 10V 6V 6V 6V 6V 6V 6V 6V 6V 6V	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs25.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1172pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)980mW (Ta)Rds On (Max) @ Id, Vgs80 mOhm @ 3.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI3333-8Package / Case8-PowerWDFN	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1172pF @ 50V Input Capacitance (Ciss) (Max) @ Vds 1172pF @ 50V 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 8-PowerWDFN	Current - Continuous Drain (Id) @ 25°C	4.2A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1172pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-PowerWDFN	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-PowerWDFN	Vgs(th) (Max) @ Id	3V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)980mW (Ta)Rds On (Max) @ Id, Vgs80 mOhm @ 3.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI3333-8Package / Case8-PowerWDFN	Gate Charge (Qg) (Max) @ Vgs	25.2nC @ 10V
FET Feature - Power Dissipation (Max) 980mW (Ta) Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI3333-8 Package / Case 8-PowerWDFN	Input Capacitance (Ciss) (Max) @ Vds	1172pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI3333-8 Package / Case 8-PowerWDFN	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 80 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI3333-8 Package / Case 8-PowerWDFN	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI3333-8 Package / Case 8-PowerWDFN	Power Dissipation (Max)	980mW (Ta)
Mounting Type Surface Mount Supplier Device Package PowerDI3333-8 Package / Case 8-PowerWDFN	Rds On (Max) @ Id, Vgs	80 mOhm @ 3.3A, 10V
Supplier Device Package PowerDI3333-8 Package / Case 8-PowerWDFN	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-PowerWDFN	Mounting Type	Surface Mount
•	Supplier Device Package	PowerDI3333-8
Report errors?	Package / Case	8-PowerWDFN
		Report errors?

DMN10H099SFG-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.

DMN10H099SFG-7 Payment Methods



















DMN10H099SFG-7 Shipping Methods













If you have any question about DMN10H099SFG-7, please do not hesitate to contact us!

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