



PSMN2R4-30MLDX Information



For Reference Only

Part Number PSMN2R4-30MLDX Manufacturer Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

DescriptionMOSFET N-CH 30V 70A LFPAK33**Package**SOT-1210, 8-LFPAK33 (5-Lead)

For the pricing/inventory/lead time, please contact

us

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



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PSMN2R4-30MLDX Specifications

Manufacturer Part Number PSMN2R4-30MLDX Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-1210, 8-LFPAK33 (5-Lead) Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 70A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ ImA Gate Charge (Qg) (Max) @ Vgs 51nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3264pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 91W (Tc) Rds On (Max) @ Id, Vgs 2.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-1210, 8-LFPAK33 (5-Lead) Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 70A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds 22V @ ImA Gate Charge (Qg) (Max) @ Vds 3264pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 19 IW (Tc) Rds On (Max) @ Id, Vgs 2.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Manufacturer Part Number	PSMN2R4-30MLDX
Package SOT-1210, 8-LFPAK33 (5-Lead) Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 70A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 51nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3264pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 91W (Tc) Rds On (Max) @ Id, Vgs 2.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Manufacturer	Nexperia USA Inc.
PackageSOT-1210, 8-LFPAK33 (5-Lead)Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C70A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 1mAGate Charge (Qg) (Max) @ Vgs51nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3264pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)91W (Tc)Rds On (Max) @ Id, Vgs2.4 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageLFPAK33Package / CaseSOT-1210, 8-LFPAK33 (5-Lead)	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Toain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 70A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 51nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3264pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 91W (Tc) Rds On (Max) @ Id, Vgs 2.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 70A (Tc) 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 ~ 175°C (TJ) Mounting Type Surface Mount LFPAK33 Package / Case NOA (Tc) 70A (Tc) 7	Package	SOT-1210, 8-LFPAK33 (5-Lead)
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 70A (Tc) 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 Supplier Device Package Package / Case MOSFET (Metal Oxide) 30V Total (Metal Oxide) 30V 70A (Tc) 70B (ToV 70B (10V 70B (15V 70B	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 70A (Tc) 70A (Tc) Prive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Surplier Device Package Package / Case 30V 70A (Tc) 70A	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 Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature For Voltage (Max) @ Vds Surface Mount Supplier Device Package Power Dissipation (Max) Surface Mount LFPAK33 SOT-1210, 8-LFPAK33 (5-Lead)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate 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 ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 4.5V, 10V 2.2V @ 1mA 3.264pF @ 15V 4.5V 3.264pF @ 15V 4.5V 4.5V 4.5V, 10V 4.5V, 10V 4.5V, 10V 4.5V, 10V 4.5V, 10V 510V 520V 521 mOhm @ 25A, 10V 55°C ~ 175°C (TJ) 521 Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	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 -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Pokage / Case SOT-1210, 8-LFPAK33 (5-Lead)	Current - Continuous Drain (Id) @ 25°C	70A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	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 Operating Temperature Supplier Device Package Package / Case 3264pF @ 15V 420V FET Feature - Which is a supplier of the supplier of th	Vgs(th) (Max) @ Id	2.2V @ 1mA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 91W (Tc) Rds On (Max) @ Id, Vgs 2.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Gate Charge (Qg) (Max) @ Vgs	51nC @ 10V
FET Feature - Power Dissipation (Max) 91W (Tc) Rds On (Max) @ Id, Vgs 2.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Input Capacitance (Ciss) (Max) @ Vds	3264pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs2.4 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageLFPAK33Package / CaseSOT-1210, 8-LFPAK33 (5-Lead)	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Power Dissipation (Max)	91W (Tc)
Mounting Type Surface Mount Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Rds On (Max) @ Id, Vgs	2.4 mOhm @ 25A, 10V
Supplier Device Package LFPAK33 Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Mounting Type	Surface Mount
	Supplier Device Package	LFPAK33
Report errors?	Package / Case	SOT-1210, 8-LFPAK33 (5-Lead)
		Report errors?

PSMN2R4-30MLDX Guarantees



Ouality 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.

PSMN2R4-30MLDX Payment Methods





















PSMN2R4-30MLDX Shipping Methods













If you have any question about PSMN2R4-30MLDX, please do not hesitate to contact us!

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