



PSMN4R3-30BL,118 Information



For Reference Only

Part Number PSMN4R3-30BL,118 **Manufacturer** Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 100A D2PAK

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

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



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PSMN4R3-30BL,118 Specifications

Manufacturer Part Number PSMN4R3-30BL,118 Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.15V @ ImA Gate Charge (Qg) (Max) @ Vgs 41.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.15V @ 1mA Gate Charge (Qg) (Max) @ Vgs 41.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-B, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	PSMN4R3-30BL,118
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.15V @ 1mA Gate Charge (Qg) (Max) @ Vgs 41.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	Nexperia USA Inc.
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.15V @ 1mA Gate Charge (Qg) (Max) @ Vgs 41.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	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 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.15V @ 1mA Gate Charge (Qg) (Max) @ Vgs 41.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Ourrent - 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 Al. mOhm @ 15A, 10V Operating Temperature Supplier Device Package D2PAK Package / Case N-Channel MOSFET (Metal Oxide) MOSFET (Metal Oxide) All VGs 100A (Tc)	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 11.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 12400pF @ 15V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 103W (Tc) Rds On (Max) @ Id, Vgs 104.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	-
Drain to Source Voltage (Vdss) 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 Supplier Device Package Package / Case 30V 100A (Tc) 100A (Tc)	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.15V @ 1mA Gate Charge (Qg) (Max) @ Vgs 41.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case T0-263-3, D2Pak (2 Leads + Tab), TO-263AB	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) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Joya (Mounting Type Surface Mount Supplier Device Package Package / Case A1.5nC @ 10V 41.5nC @ 10V 10V 10V 10V 10V 10V 10V 10V	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 Surplier Device Package Package / Case 2.15V @ 1mA 4.1.5nC @ 10V 10V 10V 10V 10V 10V 10V 10V	Current - Continuous Drain (Id) @ 25°C	100A (Tc)
Gate Charge (Qg) (Max) @ Vgs 41.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	2.15V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)103W (Tc)Rds On (Max) @ Id, Vgs4.1 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	41.5nC @ 10V
FET Feature - 103W (Tc) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	2400pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.1 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs4.1 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	103W (Tc)
Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	4.1 mOhm @ 15A, 10V
Supplier Device Package D2PAK Package / Case D2PAK TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	D2PAK
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

PSMN4R3-30BL,118 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.

PSMN4R3-30BL,118 Payment Methods





















PSMN4R3-30BL,118 Shipping Methods













If you have any question about PSMN4R3-30BL,118, please do not hesitate to contact us!

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