



PSMN7R0-100PS,127 Information



For Reference Only

Part Number PSMN7R0-100PS,127 Manufacturer Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 100A TO220AB

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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PSMN7R0-100PS,127 Specifications

Manufacturer Part Number PSMN7R0-100PS,127 Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 125nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6686pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package Package / Case TO-220AB Package / Case	Manufacturer Part Number	PSMN7R0-100PS,127
Package TO-220-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 125nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6686pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 269W (Tc) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature - Mounting Type Through Hole Supplier Device Package TO-20AB Package / Case TO-220-3	Manufacturer	Nexperia USA Inc.
PackageTO-220-3Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C100A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 1mAGate Charge (Qg) (Max) @ Vgs125nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6686pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)269W (Tc)Rds On (Max) @ Id, Vgs12 mOhm @ 15A, 10VOperating Temperature-Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Category	Discrete Semiconductor Products
Series - Channel PET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 125nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6686pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 269W (Tc) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature - Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case 10V		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 125nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6686pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 269W (Tc) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature - Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case To To-20AB	Package	TO-220-3
Technology Drain to Source Voltage (Vdss) 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 Drive Voltage (Max) @ Vgs 12 mOhm @ 15A, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package Package / Case MOSFET (Metal Oxide) 100V MOSFET (Metal Oxide) 100V 100A (Tc) 100A (Tc) 10V 4V @ 1mA 4V @ 1mA 6686pF @ 50V 42 UV 569W (Tc) 12 mOhm @ 15A, 10V Through Hole To-220AB	Series	-
Drain to Source Voltage (Vdss) 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 Operating Temperature Mounting Type Supplier Device Package Package / Case 100A (Tc) 125nC @ 10V 125nC	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 100A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 125nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6686pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 269W (Tc) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature - Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220AB	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 125nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6686pF @ 50V Vgs (Max) £20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package Package / Case TO-220AB TO-220-3	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 125nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6686pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 269W (Tc) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature - Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Current - Continuous Drain (Id) @ 25°C	100A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 6686pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature - Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs(th) (Max) @ Id	4V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)269W (Tc)Rds On (Max) @ Id, Vgs12 mOhm @ 15A, 10VOperating Temperature-Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Gate Charge (Qg) (Max) @ Vgs	125nC @ 10V
FET Feature - C69W (Tc) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature - C7 Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Input Capacitance (Ciss) (Max) @ Vds	6686pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature - Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 12 mOhm @ 15A, 10V Operating Temperature - Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	FET Feature	-
Operating Temperature - Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Power Dissipation (Max)	269W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	12 mOhm @ 15A, 10V
Supplier Device Package TO-220AB Package / Case TO-220-3	Operating Temperature	-
Package / Case TO-220-3	Mounting Type	Through Hole
•	Supplier Device Package	TO-220AB
Report errors?	Package / Case	TO-220-3
		Report errors?

PSMN7R0-100PS,127 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.

PSMN7R0-100PS,127 Payment Methods



















PSMN7R0-100PS,127 Shipping Methods













If you have any question about PSMN7R0-100PS,127, please do not hesitate to contact us!

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