

PSMN013-100PS,127 Information



For Reference Only

Part Number PSMN013-100PS,127 Manufacturer Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 68A 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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PSMN013-100PS,127 Specifications

Manufacturer Part Number PSMN013-100PS,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) Current - Continuous Drain (Id) @ 25°C 68A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1094 Suplut Capacitance (Ciss) (Max) @ Vds 1195pF @ 50V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package Package / Case TO-220AB Package / Case	Manufacturer Part Number	PSMN013-100PS,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 68A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 59nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3195pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 170W (Tc) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Manufacturer	Nexperia USA Inc.
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 68A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 59nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3195pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 170W (Tc) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 68A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 59nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3195pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 170W (Tc) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 68A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 59nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3195pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 170W (Tc) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package 7Cose 7TO-220AB	Package	TO-220-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 68A (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) **EUV** FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature **Jeva (Tj) Mounting Type Through Hole Supplier Device Package Package / Case **MOSFET (Metal Oxide) 10V **MOSFET (Metal Oxide) 10V **MOSFET (Metal Oxide) 10V **Through Hole To-220AB TO-220-3	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 68A (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 13.9 mOhm @ 15A, 10V Operating Temperature Supplier Device Package Package / Case 100V 68A (Tc) 6	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 59nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature Supplier Device Package Package / Case 68A (Tc)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs 170W (Tc) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature **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 59nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3195pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 170W (Tc) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Current - Continuous Drain (Id) @ 25°C	68A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature Jensel 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) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) 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)170W (Tc)Rds On (Max) @ Id, Vgs13.9 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Gate Charge (Qg) (Max) @ Vgs	59nC @ 10V
FET Feature - TO-220-3 FET Feature - TO-220-3 FET Feature - TO-220-AB FET Fet Feature - TO-220-AB FET Fet Feature - TO-220-AB FET	Input Capacitance (Ciss) (Max) @ Vds	3195pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13.9 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs13.9 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Power Dissipation (Max)	170W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	13.9 mOhm @ 15A, 10V
Supplier Device Package TO-220AB Package / Case TO-220-3	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-220-3	Mounting Type	Through Hole
•	Supplier Device Package	TO-220AB
Report errors?	Package / Case	TO-220-3
		Report errors?

PSMN013-100PS,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.

PSMN013-100PS,127 Payment Methods



















PSMN013-100PS,127 Shipping Methods













If you have any question about PSMN013-100PS,127, please do not hesitate to contact us!

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