



PSMN5R6-100XS,127 Information



For Reference Only

Part Number PSMN5R6-100XS,127

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 61.8A TO220F

Package TO-220-3 Full Pack, Isolated Tab
For the pricing/inventory/lead time, please contact

us

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



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Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









PSMN5R6-100XS,127 Specifications

Manufacturer Part Number PSMN5R6-100XS,127 Manufacturer NXP Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Full Pack, Isolated Tab Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 61.8A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 145nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8061pF @ 50V Vgs (Max) ± 20V FET Feature - Power Dissipation (Max) 60W (Tc) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Full Pack, Isolated Tab Series - FET Type N-Channel Technology MOSFET (Metal Oxide) 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 145nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ### 20V ### 36 On (Max) @ Id, Vgs Operating Temperature ### 36 On (Max) @ Id, Vgs Operating Temperature ### 35°C ~ 175°C (TJ) Mounting Type Supplier Device Package Package / Case ### 10-220-3 Full Pack, Isolated Tab	Manufacturer Part Number	PSMN5R6-100XS,127
Package TO-220-3 Full Pack, Isolated Tab Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 61.8A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 145nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8061pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 60W (Tc) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab	Manufacturer	NXP
PackageTO-220-3 Full Pack, Isolated TabSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C61.8A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 1mAGate Charge (Qg) (Max) @ Vgs145nC @ 10VInput Capacitance (Ciss) (Max) @ Vds8061pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)60W (Tc)Rds On (Max) @ Id, Vgs5.6 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPackage / CaseTO-220F	Category	Discrete Semiconductor Products
Series - Channel FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 61.8A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 145nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8061pF @ 50V Vgs (Max) ±20V FET Feature - Continuous Max) 60W (Tc) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature 5.5°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package 7C-220F Package / Case 7TO-220F		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 61.8A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 145nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8061pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 60W (Tc) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case To-220F	Package	TO-220-3 Full Pack, Isolated Tab
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 61.8A (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 Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case MOSFET (Metal Oxide) 100V 61.8A (Tc) 61.	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 Supplier Device Package Package / Case 100V 61.8A (Tc)	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 145nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature Supplier Device Package Package / Case 61.8A (Tc) 62. 64. 64. 65. 66. 67. 67. 67. 67. 67. 67	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) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature Operating Type Through Hole Supplier Device Package Package / Case 10V 4V @ 1mA 4V @ 1mA 4V @ 1mV 60V 60V 60V 50V 50V 50V 50V 50	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 8061pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 60W (Tc) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab	Current - Continuous Drain (Id) @ 25°C	61.8A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 8061pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab	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 5.6 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab	Vgs(th) (Max) @ Id	4V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)60W (Tc)Rds On (Max) @ Id, Vgs5.6 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPackage / CaseTO-220-3 Full Pack, Isolated Tab	Gate Charge (Qg) (Max) @ Vgs	145nC @ 10V
FET Feature - GOW (Tc) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab	Input Capacitance (Ciss) (Max) @ Vds	8061pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.6 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs5.6 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPackage / CaseTO-220-3 Full Pack, Isolated Tab	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab	Power Dissipation (Max)	60W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab	Rds On (Max) @ Id, Vgs	5.6 mOhm @ 15A, 10V
Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack, Isolated Tab	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-220-3 Full Pack, Isolated Tab	Mounting Type	Through Hole
	Supplier Device Package	TO-220F
Report errors?	Package / Case	TO-220-3 Full Pack, Isolated Tab
		Report errors?

PSMN5R6-100XS,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.

PSMN5R6-100XS,127 Payment Methods





















PSMN5R6-100XS,127 Shipping Methods













If you have any question about PSMN5R6-100XS,127, please do not hesitate to contact us!

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