



PSMN5R8-40YS,115 Information



For Reference Only

Part Number PSMN5R8-40YS,115 Manufacturer Nexperia USA Inc.

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 40V LFPAK

Package SC-100, SOT-669

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

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.









PSMN5R8-40YS,115 Specifications

Manufacturer Part Number PSMN5R8-40YS,115 Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-100, SOT-669 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 28.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1703pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 89W (Tc) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-S08 Package / Case SC-100, SOT-669		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-100, SOT-669 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Urrent - Continuous Drain (Id) @ 25°C Prive 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 Sy (Max) Sy (Tc) Rds On (Max) @ Id, Vgs	Manufacturer Part Number	PSMN5R8-40YS,115
Package SC-100, SOT-669 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 28.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1703pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 89W (Tc) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669	Manufacturer	Nexperia USA Inc.
Package SC-100, SOT-669 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 28.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1703pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 89W (Tc) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-S08 Package / Case SC-100, SOT-669	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 28.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1703pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 89W (Tc) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 28.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1703pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 89W (Tc) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669	Package	SC-100, SOT-669
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1703pF @ 20V Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Son (Max) @	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Prive 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 40V 90A (Tc) 90A	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 28.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1703pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 89W (Tc) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 1703pF @ 20V Vgs (Max) Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Son (Max) @ Id, Vgs S	Drain to Source Voltage (Vdss)	40V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1703pF @ 20V Input Capacitance (Ciss) (Max) @ Vds 1703pF @ 20V Vgs (Max) #ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature Jense Surface Mount Supplier Device Package Package / Case SC-100, SOT-669	Current - Continuous Drain (Id) @ 25°C	90A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1703pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669	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 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-100, SOT-669	Vgs(th) (Max) @ Id	4V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)89W (Tc)Rds On (Max) @ Id, Vgs5.7 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageLFPAK56, Power-SO8Package / CaseSC-100, SOT-669	Gate Charge (Qg) (Max) @ Vgs	28.8nC @ 10V
FET Feature - Power Dissipation (Max) 89W (Tc) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669	Input Capacitance (Ciss) (Max) @ Vds	1703pF @ 20V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.7 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs5.7 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageLFPAK56, Power-SO8Package / CaseSC-100, SOT-669	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669	Power Dissipation (Max)	89W (Tc)
Mounting Type Surface Mount Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669	Rds On (Max) @ Id, Vgs	5.7 mOhm @ 15A, 10V
Supplier Device Package LFPAK56, Power-SO8 Package / Case SC-100, SOT-669	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case SC-100, SOT-669	Mounting Type	Surface Mount
	Supplier Device Package	LFPAK56, Power-SO8
Report errors?	Package / Case	SC-100, SOT-669
*		Report errors?

PSMN5R8-40YS,115 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.

PSMN5R8-40YS,115 Payment Methods



















PSMN5R8-40YS,115 Shipping Methods













If you have any question about PSMN5R8-40YS,115, please do not hesitate to contact us!

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