

PSMN1R0-40YLDX Information


For Reference Only

Part Number [PSMN1R0-40YLDX](#)
Manufacturer Nexperia USA Inc.
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 40V 100A LPAK
Package SC-100, SOT-669
 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.


PSMN1R0-40YLDX Specifications

Manufacturer Part Number	PSMN1R0-40YLDX
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 (V _{ds})	40V
Current - Continuous Drain (I _d) @ 25°C	100A (T _c)
Drive Voltage (Max R _{ds} On, Min R _{ds} On)	4.5V, 10V
V _{gs} (th) (Max) @ I _d	2.2V @ 1mA
Gate Charge (Q _g) (Max) @ V _{gs}	127nC @ 10V
Input Capacitance (C _{iss}) (Max) @ V _{ds}	8845pF @ 20V
V _{gs} (Max)	±20V
FET Feature	-
Power Dissipation (Max)	198W (T _c)
R _{ds} On (Max) @ I _d , V _{gs}	1.1 mOhm @ 25A, 10V
Operating Temperature	-55°C ~ 150°C (T _J)
Mounting Type	Surface Mount
Supplier Device Package	LFPAK56, Power-SO8
Package / Case	SC-100, SOT-669

[Report errors?](#)

PSMN1R0-40YLDX 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.

PSMN1R0-40YLDX Payment Methods



PSMN1R0-40YLDX Shipping Methods



If you have any question about PSMN1R0-40YLDX, please do not hesitate to contact us!

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