



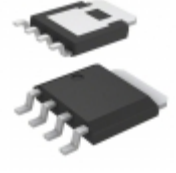

	Manufacturer Part Number: PSMN1R0-40YLDX
	Manufacturer/Brand: Nexperia
	Part of Description: MOSFET N-CH 40V 100A LPAK
	Datasheets:  PSMN1R0-40YLDX.pdf
RoHS Status:  Lead free / RoHS	Stock Condition: Compliant New original, Stock Available.
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Specifications

Part Number	PSMN1R0-40YLDX
Manufacturer	Nexperia
Description	MOSFET N-CH 40V 100A LPAK
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	2.2V @ 1mA
Vgs (Max)	±20V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	LPAK56, Power-SO8
Series	-
Rds On (Max) @ Id, Vgs	1.1 mOhm @ 25A, 10V
Power Dissipation (Max)	198W (Tc)
Packaging	Tape & Reel (TR)
Package / Case	SC-100, SOT-669
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	8845pF @ 20V
Gate Charge (Qg) (Max) @ Vgs	127nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Drain to Source Voltage (Vdss)	40V
Current - Continuous Drain (Id) @ 25°C	100A (Tc)

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