




	<b>PSMN038-100YLX</b>
	<b>Manufacturer Part Number:</b> <a href="#">PSMN038-100YLX</a>
	<b>Manufacturer/Brand:</b> <a href="#">Nexperia</a>
	<b>Part of Description:</b> MOSFET N-CH 100V 30A LPAK
<b>Datasheets:</b>  <a href="#">PSMN038-100YLX.pdf</a>	<b>RoHS Status:</b>  Lead free / RoHS
<b>Stock Condition:</b> Compliant New original, Stock Available.	<b>Ship From:</b> Hong Kong
<b>Image may be representation. See specs for product details.</b>	<b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS

### Specifications

Part Number	PSMN038-100YLX
Manufacturer	Nexperia
Description	MOSFET N-CH 100V 30A LPAK
Category	<a href="#">Discrete Semiconductor Products &gt; Transistors - FETs,</a>
Part Status	<a href="#">Require For Quote &amp; Check Stock</a>
Vgs(th) (Max) @ Id	2.1V @ 1mA
Vgs (Max)	±20V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	LPAK56, Power-SO8
Series	-
Rds On (Max) @ Id, Vgs	37.5 mOhm @ 5A, 10V
Power Dissipation (Max)	94.9W (Tc)
Packaging	Tape & Reel (TR)
Package / Case	SC-100, SOT-669
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	1905pF @ 25V
Gate Charge (Qg) (Max) @ Vgs	39.2nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Drain to Source Voltage (Vdss)	100V
Current - Continuous Drain (Id) @ 25°C	30A (Tc)

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