

**nexperia**



Image may be representation.  
See specs for product details.

## PSMN2R2-40BS,118

<b>Manufacturer Part Number:</b>	PSMN2R2-40BS,118
<b>Manufacturer/Brand:</b>	Nexperia
<b>Part of Description:</b>	MOSFET N-CH 40V 100A D2PAK
<b>Datasheets:</b>	<a href="#">PSMN2R2-40BS,118.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>Shipment Way:</b>	DHL/Fedex/TNT/UPS/EMS

### Specifications

Part Number	PSMN2R2-40BS,118
Manufacturer	Nexperia
Description	MOSFET N-CH 40V 100A D2PAK
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	4V @ 1mA
Vgs (Max)	±20V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	D2PAK
Series	-
Rds On (Max) @ Id, Vgs	2.2 mOhm @ 25A, 10V
Power Dissipation (Max)	306W (Tc)
Packaging	Original-Reel®
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	8423pF @ 20V
Gate Charge (Qg) (Max) @ Vgs	130nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	40V
Current - Continuous Drain (Id) @ 25°C	100A (Tc)

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