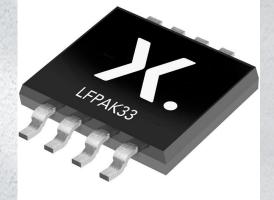


# **PSMN6R1-25MLDX** Datasheet

www.digi-electronics.com



DiGi Electronics Part Number	Р
Manufacturer	Ν
Manufacturer Product Number	Ρ

Description

**Detailed Description** 

PSMN6R1-25MLDX-DG

Nexperia USA Inc.

PSMN6R1-25MLDX

MOSFET N-CH 25V 60A LFPAK33

N-Channel 25 V 60A (Tc) 42W (Tc) Surface Mount LF PAK33

https://www.DiGi-Electronics.com



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.



# Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
PSMN6R1-25MLDX	Nexperia USA Inc.
Series:	Product Status:
	Active
FET Type:	Technology:
N-Channel	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss):	Current - Continuous Drain (Id) @ 25°C:
25 V	60A (Tc)
Drive Voltage (Max Rds On, Min Rds On):	Rds On (Max) @ ld, Vgs:
4.5V, 10V	7.24mOhm @ 15A, 10V
Vgs(th) (Max) @ ld:	Gate Charge (Qg) (Max) @ Vgs:
2.2V @ 1mA	10.7 nC @ 10 V
Vgs (Max):	Input Capacitance (Ciss) (Max) @ Vds:
±20V	702 pF @ 12 V
FET Feature:	Power Dissipation (Max):
Schottky Diode (Body)	42W (Tc)
Operating Temperature:	Mounting Type:
-55°C ~ 175°C (TJ)	Surface Mount
Supplier Device Package:	Package / Case:
LFPAK33	SOT-1210, 8-LFPAK33 (5-Lead)
Base Product Number:	
PSMN6R1	

# **Environmental & Export classification**

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	1 (Unlimited)
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8541.29.0095	



N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

6 April 2016

**Product data sheet** 

### 1. General description

Logic level gate drive N-channel enhancement mode MOSFET in LFPAK33 package. NextPowerS3 portfolio utilising Nexperia's unique "SchottkyPlus" technology delivers high efficiency, low spiking performance usually associated with MOSFETS with an integrated Schottky or Schottky-like diode but without problematic high leakage current. NextPowerS3 is particularly suited to high efficiency applications at high switching frequencies.

### 2. Features and benefits

- Ultra low Q<sub>G</sub>, Q<sub>GD</sub> and Q<sub>OSS</sub> for high system efficiency, especially at higher switching frequencies
- Superfast switching with soft-recovery; s-factor > 1
- Low spiking and ringing for low EMI designs
- Unique "SchottkyPlus" technology; Schottky-like performance with < 1 µA leakage at 25 °C
- Optimised for 4.5 V gate drive
- Low parasitic inductance and resistance
- High reliability clip bonded and solder die attach Mini Power SO8 package; no glue, no wire bonds, qualified to 175 °C
- Exposed leads for optimal visual solder inspection

### 3. Applications

Table 4

- On-board DC:DC solutions for server and telecommunications
- Secondary-side synchronous rectification in telecommunication applications
- Voltage regulator modules (VRM)
- Point-of-Load (POL) modules
- Power delivery for V-core, ASIC, DDR, GPU, VGA and system components
- Brushed and brushless motor control

### 4. Quick reference data

Outok reference dete

Table 1. Quick reference data							
Symbol	Parameter	Conditions		Min	Тур	Max	Unit
V <sub>DS</sub>	drain-source voltage	25 °C ≤ T <sub>j</sub> ≤ 175 °C		-	-	25	V
I <sub>D</sub>	drain current	V <sub>GS</sub> = 10 V; T <sub>mb</sub> = 25 °C; <u>Fig. 2</u>		-	-	60	А
P <sub>tot</sub>	total power dissipation	T <sub>mb</sub> = 25 °C; <u>Fig. 1</u>		-	-	42	W



# PSMN6R1-25MLD

#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
Tj	junction temperature		-55	-	175	°C
Static char	acteristics					
R <sub>DSon</sub> drain-source on-state resistance		V <sub>GS</sub> = 4.5 V; I <sub>D</sub> = 15 A; T <sub>j</sub> = 25 °C; Fig. 10	-	8.98	10.3	mΩ
	V <sub>GS</sub> = 10 V; I <sub>D</sub> = 15 A; T <sub>j</sub> = 25 °C; <u>Fig. 10</u>	-	6.46	7.24	mΩ	
Dynamic cl	haracteristics				_	
Q <sub>G(tot)</sub>	total gate charge	I <sub>D</sub> = 15 A; V <sub>DS</sub> = 12 V; V <sub>GS</sub> = 10 V; Fig. 12; Fig. 13	-	10.7	-	nC
		I <sub>D</sub> = 15 A; V <sub>DS</sub> = 12 V; V <sub>GS</sub> = 4.5 V; Fig. 12; Fig. 13	-	4.9	-	nC
		I <sub>D</sub> = 0 A; V <sub>DS</sub> = 0 V; V <sub>GS</sub> = 10 V	-	5.6	-	nC
Q <sub>GD</sub>	gate-drain charge	I <sub>D</sub> = 15 A; V <sub>DS</sub> = 12 V; V <sub>GS</sub> = 4.5 V; Fig. 12; Fig. 13	-	1.1	-	nC
Source-dra	in diode	· · ·				
S	softness factor	$I_{S} = 15 \text{ A}; \text{ dI}_{S}/\text{dt} = -100 \text{ A}/\mu\text{s}; \text{ V}_{GS} = 0 \text{ V}; \\ \text{V}_{DS} = 12 \text{ V}; \text{ Fig. 16}$	-	1.3	-	

# 5. Pinning information

Table 2.	Pinning	information		
Pin	Symbol	Description	Simplified outline	Graphic symbol
1	S	source		D
2	S	source		
3	S	source		G-UTA
4	G	gate		mbb076 S
mb	D	mounting base; connected to drain	LFPAK33 (SOT1210)	

# 6. Ordering information

Table 3. Ordering information							
Type number	Package						
	Name	Description	Version				
PSMN6R1-25MLD	LFPAK33	Plastic single ended surface mounted package (LFPAK33); 8 leads	SOT1210				

# PSMN6R1-25MLD

N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

### 7. Marking

1	able 4. Marking codes	
•	Type number	Marking code
	PSMN6R1-25MLD	6D125L

# 8. Limiting values

Table 5.	Limiting values
In accorda	nce with the Absolute Maximum Rating System (IEC 60134).

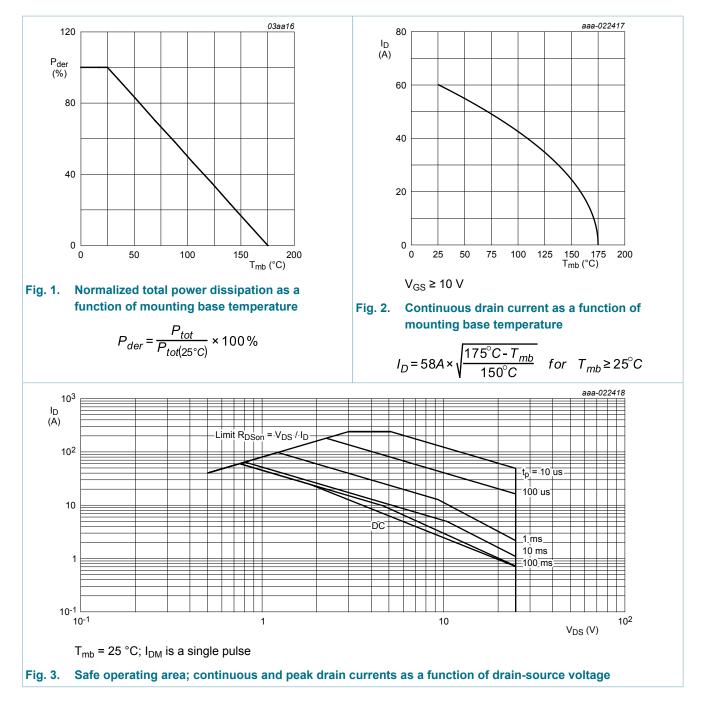
Symbol	Parameter	Conditions		Min	Max	Unit
V <sub>DS</sub>	drain-source voltage	25 °C ≤ T <sub>j</sub> ≤ 175 °C		-	25	V
V <sub>DGR</sub>	drain-gate voltage	25 °C ≤ T <sub>j</sub> ≤ 175 °C; R <sub>GS</sub> = 20 kΩ		-	25	V
V <sub>GS</sub>	gate-source voltage			-20	20	V
P <sub>tot</sub>	total power dissipation	T <sub>mb</sub> = 25 °C; <u>Fig. 1</u>		-	42	W
I <sub>D</sub>	drain current	V <sub>GS</sub> = 10 V; T <sub>mb</sub> = 25 °C; <u>Fig. 2</u>		-	60	А
		V <sub>GS</sub> = 10 V; T <sub>mb</sub> = 100 °C; <u>Fig. 2</u>		-	41	А
I <sub>DM</sub>	peak drain current	pulsed; $t_p \le 10 \ \mu s$ ; $T_{mb} = 25 \ ^\circ C$ ; Fig. 3		-	235	Α
T <sub>stg</sub>	storage temperature			-55	175	°C
Tj	junction temperature			-55	175	°C
T <sub>sld(M)</sub>	peak soldering temperature			-	260	°C
V <sub>ESD</sub>	electrostatic discharge voltage	НВМ		400	-	V
Source-drai	in diode	1		_		
I <sub>S</sub>	source current	T <sub>mb</sub> = 25 °C		-	38	А
I <sub>SM</sub>	peak source current	pulsed; $t_p \le 10 \ \mu s$ ; $T_{mb} = 25 \ ^{\circ}C$		-	241	А
Avalanche i	ruggedness					
E <sub>DS(AL)S</sub>	non-repetitive drain-source avalanche energy	$\begin{split} I_D &= 15 \text{ A};  \text{V}_{\text{sup}} \leq 25  \text{V};  \text{R}_{\text{GS}} = 50  \Omega; \\  \text{V}_{\text{GS}} &= 10  \text{V};  \text{T}_{j(\text{init})} = 25 ^{\circ}\text{C}; \text{ unclamped}; \\  t_p &= 210  \mu\text{s} \end{split}$	[1]	-	51.3	mJ
	1	Į				

[1] Protected by 100% test

PSMN6R1-25MLD

### Nexperia

#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology



### 9. Thermal characteristics

Table 6. The	rmal characteristics					
Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-mb)</sub>	thermal resistance from junction to mounting base	<u>Fig. 4</u>	-	3.04	3.32	K/W

PSMN6R1-25MLD

© Nexperia B.V. 2017. All rights reserved

# PSMN6R1-25MLD

#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
R <sub>th(j-a)</sub>	thermal resistance	<u>Fig. 5</u>	-	57	-	K/W
	from junction to ambient	<u>Fig. 6</u>	-	178	-	K/W

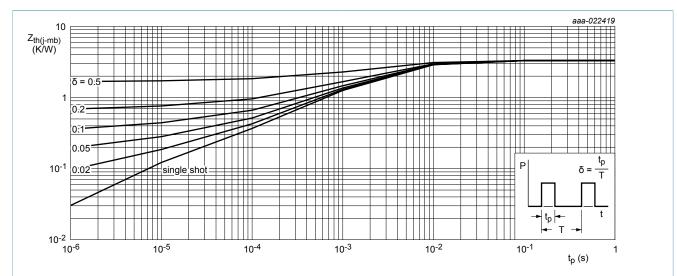
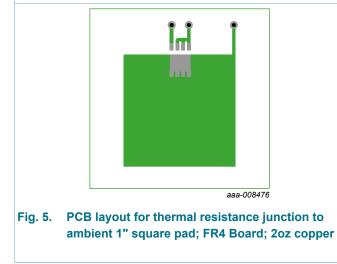


Fig. 4. Transient thermal impedance from junction to mounting base as a function of pulse duration



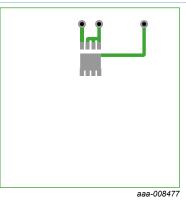


Fig. 6. PCB layout for thermal resistance junction to ambient minimum footprint; FR4 Board; 2oz copper

# **10. Characteristics**

Table 7. C	haracteristics					
Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
Static chara	octeristics	· · · · ·	1			
V <sub>(BR)DSS</sub>	drain-source	$I_D$ = 250 µA; $V_{GS}$ = 0 V; $T_j$ = 25 °C	25	-	-	V
	breakdown voltage	$I_D$ = 250 µA; $V_{GS}$ = 0 V; $T_j$ = -55 °C	22.5	-	-	V
V <sub>GS(th)</sub>	gate-source threshold voltage	$I_{D}$ = 1 mA; $V_{DS}$ = $V_{GS}$ ; $T_{j}$ = 25 °C	1.2	1.76	2.2	V

PSMN6R1-25MLD

© Nexperia B.V. 2017. All rights reserved

# PSMN6R1-25MLD

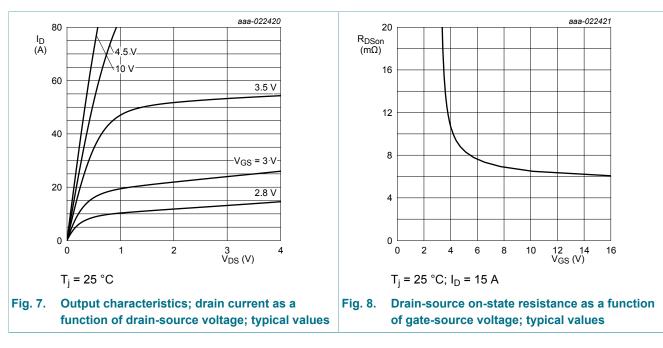
#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
ΔV <sub>GS(th)</sub> /ΔT	gate-source threshold voltage variation with temperature	25 °C ≤ T <sub>j</sub> ≤ 175 °C	-	-4.1	-	mV/K
I <sub>DSS</sub> c	drain leakage current	$V_{DS}$ = 20 V; $V_{GS}$ = 0 V; $T_j$ = 25 °C	-	-	1	μA
		$V_{DS}$ = 20 V; $V_{GS}$ = 0 V; $T_j$ = 125 °C	-	0.8	-	μA
I <sub>GSS</sub>	gate leakage current	$V_{GS}$ = 20 V; $V_{DS}$ = 0 V; $T_j$ = 25 °C	-	-	100	nA
		$V_{GS}$ = -20 V; $V_{DS}$ = 0 V; $T_j$ = 25 °C	-	-	100	nA
R <sub>DSon</sub>	drain-source on-state resistance	V <sub>GS</sub> = 4.5 V; I <sub>D</sub> = 15 A; T <sub>j</sub> = 25 °C; Fig. 10	-	8.98	10.3	mΩ
		V <sub>GS</sub> = 4.5 V; I <sub>D</sub> = 15 A; T <sub>j</sub> = 175 °C; Fig. 10; Fig. 11	-	-	17.51	mΩ
		V <sub>GS</sub> = 10 V; I <sub>D</sub> = 15 A; T <sub>j</sub> = 25 °C; Fig. 10	-	6.46	7.24	mΩ
		V <sub>GS</sub> = 10 V; I <sub>D</sub> = 15 A; T <sub>j</sub> = 175 °C; Fig. 10; Fig. 11	-	-	12.48	mΩ
R <sub>G</sub>	gate resistance	f = 1 MHz	-	0.66	-	Ω
Dynamic cha	aracteristics	· · · ·	I			
Q <sub>G(tot)</sub>	total gate charge	$I_D = 15 \text{ A}; V_{DS} = 12 \text{ V}; V_{GS} = 10 \text{ V};$ Fig. 12; Fig. 13	-	10.7	-	nC
		$I_D$ = 15 A; $V_{DS}$ = 12 V; $V_{GS}$ = 4.5 V; Fig. 12; Fig. 13	-	4.9	-	nC
		$I_D = 0 \text{ A}; V_{DS} = 0 \text{ V}; V_{GS} = 10 \text{ V}$	-	5.6	-	nC
Q <sub>GS</sub>	gate-source charge	$I_D$ = 15 A; $V_{DS}$ = 12 V; $V_{GS}$ = 4.5 V;	-	2.3	-	nC
Q <sub>GS(th)</sub>	pre-threshold gate- source charge	Fig. 12; Fig. 13	-	1.2	-	nC
Q <sub>GS(th-pl)</sub>	post-threshold gate- source charge		-	1	-	nC
Q <sub>GD</sub>	gate-drain charge		-	1.1	-	nC
V <sub>GS(pl)</sub>	gate-source plateau voltage	I <sub>D</sub> = 15 A; V <sub>DS</sub> = 12 V; <u>Fig. 12</u> ; <u>Fig. 13</u>	-	3	-	V
C <sub>iss</sub>	input capacitance	V <sub>DS</sub> = 12 V; V <sub>GS</sub> = 0 V; f = 1 MHz;	-	702	-	pF
C <sub>oss</sub>	output capacitance	T <sub>j</sub> = 25 °C; <u>Fig. 14</u>	-	590	-	pF
C <sub>rss</sub>	reverse transfer capacitance		-	45	-	pF
t <sub>d(on)</sub>	turn-on delay time	$V_{DS}$ = 12 V; R <sub>L</sub> = 1 Ω; V <sub>GS</sub> = 4.5 V;	-	7.7	-	ns
t <sub>r</sub>	rise time	$R_{G(ext)} = 5 \Omega$	-	7.9	-	ns
t <sub>d(off)</sub>	turn-off delay time		-	7.8	-	ns
t <sub>f</sub>	fall time		-	4.7	-	ns

# PSMN6R1-25MLD

#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

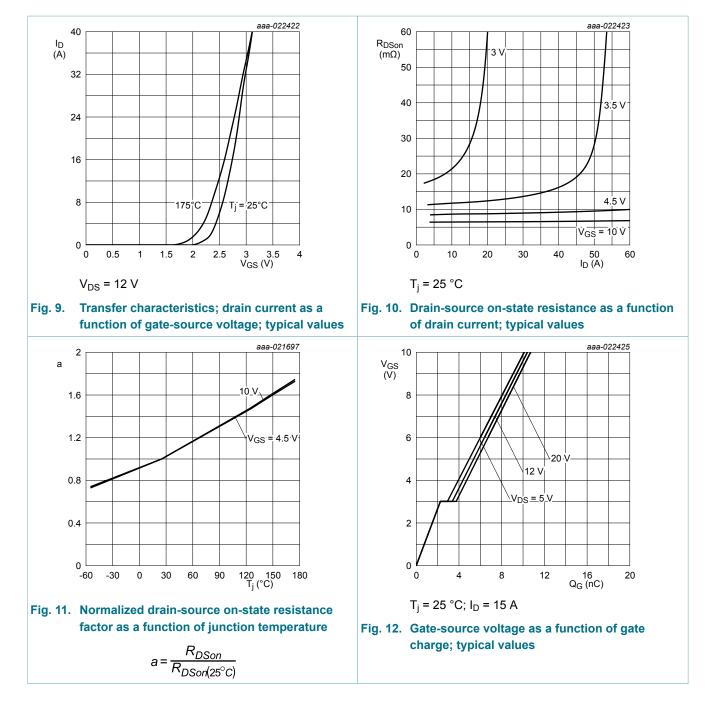
Symbol	Parameter	Conditions		Min	Тур	Max	Unit
Q <sub>oss</sub>	output charge	V <sub>GS</sub> = 0 V; V <sub>DS</sub> = 12 V; f = 1 MHz; T <sub>j</sub> = 25 °C		-	9.2	-	nC
Source-dra	ain diode						
V <sub>SD</sub>	source-drain voltage	$I_{S}$ = 10 A; $V_{GS}$ = 0 V; $T_{j}$ = 25 °C; <u>Fig. 15</u>		-	0.83	1.2	V
t <sub>rr</sub>	reverse recovery time	$I_{S}$ = 15 A; dI <sub>S</sub> /dt = -100 A/µs; V <sub>GS</sub> = 0 V;		-	19.3	-	ns
Q <sub>r</sub>	recovered charge	V <sub>DS</sub> = 12 V; <u>Fig. 16</u>	[1]	-	8.1	-	nC
t <sub>a</sub>	reverse recovery rise time			-	8.6	-	ns
t <sub>b</sub>	reverse recovery fall time	-		-	10.7	-	ns
S	softness factor			-	1.3	-	



[1] includes capacitive recovery

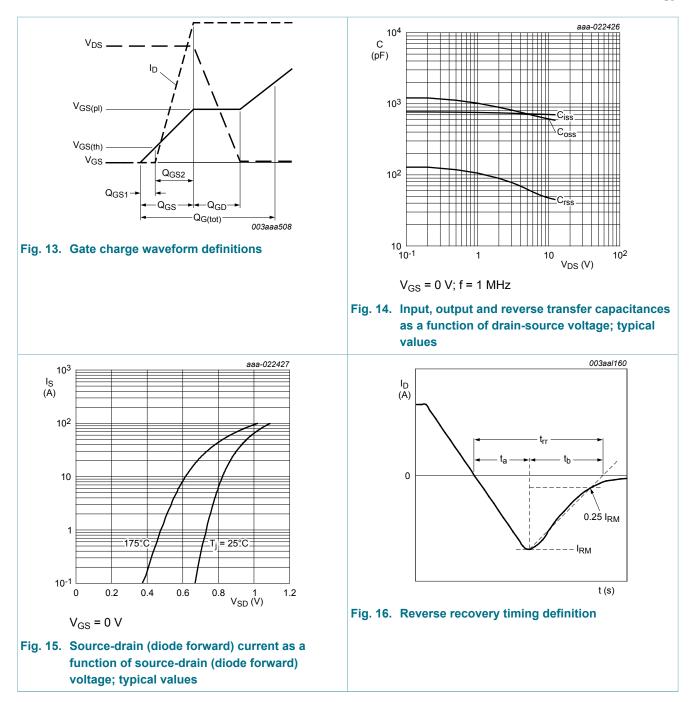
### Nexperia

#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology



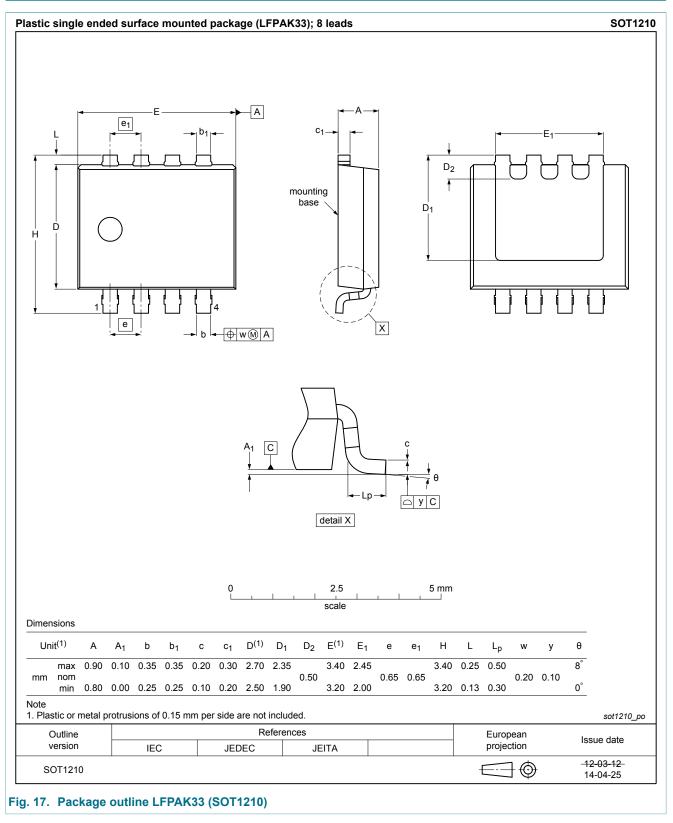
### Nexperia

#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology



N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

### 11. Package outline



PSMN6R1-25MLD

All information provided in this document is subject to legal disclaimers.

© Nexperia B.V. 2017. All rights reserved

# PSMN6R1-25MLD

#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

### 12. Legal information

#### 12.1 Data sheet status

Document status [1][2]	Product status [3]	Definition
Objective [short] data sheet	Development	This document contains data from the objective specification for product development.
Preliminary [short] data sheet	Qualification	This document contains data from the preliminary specification.
Product [short] data sheet	Production	This document contains the product specification.

 Please consult the most recently issued document before initiating or completing a design.

[2] The term 'short data sheet' is explained in section "Definitions".

[3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the Internet at URL <u>http://www.nexperia.com</u>.

#### 12.2 Definitions

**Preview** — The document is a preview version only. The document is still subject to formal approval, which may result in modifications or additions. Nexperia does not give any representations or warranties as to the accuracy or completeness of information included herein and shall have no liability for the consequences of use of such information.

**Draft** — The document is a draft version only. The content is still under internal review and subject to formal approval, which may result in modifications or additions. Nexperia does not give any representations or warranties as to the accuracy or completeness of information included herein and shall have no liability for the consequences of use of such information.

Short data sheet — A short data sheet is an extract from a full data sheet with the same product type number(s) and title. A short data sheet is intended for quick reference only and should not be relied upon to contain detailed and full information. For detailed and full information see the relevant full data sheet, which is available on request via the local Nexperia sales office. In case of any inconsistency or conflict with the short data sheet, the full data sheet shall prevail.

**Product specification** — The information and data provided in a Product data sheet shall define the specification of the product as agreed between Nexperia and its customer, unless Nexperia and

customer have explicitly agreed otherwise in writing. In no event however, shall an agreement be valid in which the Nexperia product is deemed to offer functions and qualities beyond those described in the Product data sheet.

### 12.3 Disclaimers

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, Nexperia does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. Nexperia takes no responsibility for the content in this document if provided by an information source outside of Nexperia.

In no event shall Nexperia be liable for any indirect, incidental, punitive, special or consequential damages (including - without limitation lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Notwithstanding any damages that customer might incur for any reason whatsoever, Nexperia's aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the *Terms and conditions of commercial sale* of Nexperia.

**Right to make changes** — Nexperia reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.

Suitability for use — Nexperia products are not designed, authorized or warranted to be suitable for use in life support, life-critical or safety-critical systems or equipment, nor in applications where failure or malfunction of a Nexperia product can reasonably be expected to result in personal injury, death or severe property or environmental damage. Nexperia and its suppliers accept no liability for inclusion and/or use of Nexperia products in such equipment or applications and therefore such inclusion and/or use is at the customer's own risk.

Quick reference data — The Quick reference data is an extract of the product data given in the Limiting values and Characteristics sections of this document, and as such is not complete, exhaustive or legally binding.

Applications — Applications that are described herein for any of these products are for illustrative purposes only. Nexperia makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Customers are responsible for the design and operation of their applications and products using Nexperia products, and Nexperia accepts no liability for any assistance with applications or customer product design. It is customer's sole responsibility to determine whether the Nexperia product is suitable and fit for the customer's applications and products planned, as well as for the planned application and use of customer's third party customer(s). Customers should provide appropriate design and operating safeguards to minimize the risks associated with their applications and products.

Nexperia does not accept any liability related to any default, damage, costs or problem which is based on any weakness or default in the customer's applications or products, or the application or use by customer's third party customer(s). Customer is responsible for doing all necessary testing for the customer's applications and products using Nexperia products in order to avoid a default of the applications and the products or of the application or use by customer's third party customer(s). Nexperia does not accept any liability in this respect.

Limiting values — Stress above one or more limiting values (as defined in the Absolute Maximum Ratings System of IEC 60134) will cause permanent damage to the device. Limiting values are stress ratings only and (proper) operation of the device at these or any other conditions above those given in the Recommended operating conditions section (if present) or the Characteristics sections of this document is not warranted. Constant or repeated exposure to limiting values will permanently and irreversibly affect the quality and reliability of the device.

#### Terms and conditions of commercial sale - Nexperia

products are sold subject to the general terms and conditions of commercial sale, as published at <a href="http://www.nexperia.com/profile/terms">http://www.nexperia.com/profile/terms</a>, unless otherwise agreed in a valid written individual agreement. In case an individual agreement is concluded only the terms and conditions of the respective agreement shall apply. Nexperia hereby expressly objects to applying the customer's general terms and conditions with regard to the purchase of Nexperia products by customer.

No offer to sell or license — Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance or the

# PSMN6R1-25MLD

#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

grant, conveyance or implication of any license under any copyrights, patents or other industrial or intellectual property rights.

**Export control** — This document as well as the item(s) described herein may be subject to export control regulations. Export might require a prior authorization from competent authorities.

Non-automotive qualified products — Unless this data sheet expressly states that this specific Nexperia product is automotive qualified, the product is not suitable for automotive use. It is neither qualified nor tested in accordance with automotive testing or application requirements. Nexperia accepts no liability for inclusion and/or use of non-automotive qualified products in automotive equipment or applications.

In the event that customer uses the product for design-in and use in automotive applications to automotive specifications and standards, customer (a) shall use the product without Nexperia's warranty of the product for such automotive applications, use and specifications, and (b) whenever customer uses the product for automotive applications beyond Nexperia's specifications such use shall be solely at customer's own risk, and (c) customer fully indemnifies Nexperia for any liability, damages or failed product claims resulting from customer design and use of the product for automotive applications beyond Nexperia's standard warranty and Nexperia's product specifications.

**Translations** — A non-English (translated) version of a document is for reference only. The English version shall prevail in case of any discrepancy between the translated and English versions.

#### 12.4 Trademarks

Notice: All referenced brands, product names, service names and trademarks are the property of their respective owners.

# PSMN6R1-25MLD

#### N-channel 25 V, 6.8 mΩ logic level MOSFET in LFPAK33 using NextPowerS3 Technology

### 13. Contents

1	General description	1
2	Features and benefits	1
3	Applications	1
4	Quick reference data	1
5	Pinning information	2
6	Ordering information	2
7	Marking	3
8	Limiting values	3
9	Thermal characteristics	4
10	Characteristics	5
11	Package outline	
12	Legal information	11
12.1	Data sheet status	11
12.2	Definitions	11
12.3	Disclaimers	11
12.4	Trademarks	12

© Nexperia B.V. 2017. All rights reserved

For more information, please visit: http://www.nexperia.com For sales office addresses, please send an email to: salesaddresses@nexperia.com Date of release: 06 April 2016

PSMN6R1-25MLD

13/13



# **OUR CERTIFICATE**

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement. DiGi through third-party certification, we striciy control the quality of products and services. Welcome your RFQ to Email: Info@DiGi-Electronics.com

DCI	DCI		
QUALITY MANAGEMENT SYSTEM CERTIFICATE	ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE	OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM CERTIFICATE	の可能可能可能 CERTIFICATE OF INCORPORATION
DIGI ELECTRONICS HK LIMITED	DIGI ELECTRONICS HK LIMITED	DIGI ELECTRONICS HK LIMITED	A. A. B. A. B. W. Hanniby and By that
RATINGS SHE IN HIS COMMERCIAL EXTREMENTAL AND STREET, MONGHO	PLATENTS 207, HO HOR COMMITTEE CALLES HAVE VER CHEET, MONORO	FLATENUE 267, HO HOUS CONVERTIGN AND AN AVEN STREET, MONGO	DELERATIONCE INCLAMPSO 网络電子性者作用公司
GB/T 19001-2016 ktt ISO9001:2015	GB/T 24001-2016 idt ISO14001:2015	GB/T45001-2020 idt ISO45001:2018	$0 \rightarrow 0$ B, B $\rightarrow 0$ A, H B 122 B $\subset \odot$ G $\rightarrow H >$ 11 DN: Any Incorporated In Namy Early under the Comparise Ordinaria $A \rightarrow 0$ , $A \rightarrow A \rightarrow B$ , $A \rightarrow A \rightarrow C \rightarrow C + C \rightarrow N$ (Theoret T22 D for Larms of Hong Kong, and Balling Compare is
Ref Ref Participation components	Retto nagagante	For the Index of all interviews	Constant with in the Last in Yang Wong, and the lost dompany is it is a lost a limited company.
tantananan man mananan mananan manananan mananan mananan	tomantener men photosener men metalementener meneration Manalit	torinamientes 2008 Inter land can Can 2008-000-00 Jacobierto National Anna 2008	★ # 4 # 0 ± 0 − Λ + − Λ ± + ± + # ± − Name# 04. 12 heavy 200.
			Oldentrikalis or in edit a kale or Min. Au L. L. DERING Programmer Auguston Mingrade Specific Automatistrature Auguston
In the second se	The second secon	Control tests of a state of the state o	In Heps: 公司各場合公司中局工作用:工作品中提供学校公司名表式市场大型公司者包括基本中 工程品名提用: TableAdd #: TableAdd #: TableAdd #: TableAdd #: TableA





Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.