

**PSMN8R5-100PSFQ Information**


For Reference Only

**Part Number** [PSMN8R5-100PSFQ](#)  
**Manufacturer** Nexperia USA Inc.  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 100V 98A TO220AB  
**Package** TO-220-3  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**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.


**PSMN8R5-100PSFQ Specifications**

|  |   |
|--|---|
| Manufacturer Part Number                                       | <a href="#">PSMN8R5-100PSFQ</a>   |
| Manufacturer   | Nexperia USA Inc.   |
| Category   | Discrete Semiconductor Products<br><a href="#">Transistors - FETs, MOSFETs - Single</a> |
| Package  | TO-220-3  |
| Series   | -   |
| FET Type   | N-Channel   |
| Technology   | MOSFET (Metal Oxide)  |
| Drain to Source Voltage (V <sub>ds</sub> )                     | 100V  |
| Current - Continuous Drain (I <sub>d</sub> ) @ 25°C            | 98A (T <sub>a</sub> )   |
| Drive Voltage (Max R <sub>ds</sub> On, Min R <sub>ds</sub> On) | 7V, 10V   |
| V <sub>gs</sub> (th) (Max) @ I <sub>d</sub>                    | 4V @ 1mA  |
| Gate Charge (Q <sub>g</sub> ) (Max) @ V <sub>gs</sub>          | 44.5nC @ 10V  |
| Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub>  | 3181pF @ 50V  |
| V <sub>gs</sub> (Max)  | ±20V  |
| FET Feature  | -   |
| Power Dissipation (Max)  | 183W (T <sub>a</sub> )  |
| R <sub>ds</sub> On (Max) @ I <sub>d</sub> , V <sub>gs</sub>    | 8.7 mOhm @ 25A, 10V   |
| Operating Temperature  | -55°C ~ 175°C (T <sub>J</sub> )   |
| Mounting Type  | Through Hole  |
| Supplier Device Package  | TO-220AB  |
| Package / Case   | TO-220-3  |

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## PSMN8R5-100PSFQ 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.

## PSMN8R5-100PSFQ Payment Methods



## PSMN8R5-100PSFQ Shipping Methods



If you have any question about PSMN8R5-100PSFQ, please do not hesitate to contact us!

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E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)