

**BUK7Y41-80EX Information**


For Reference Only

**Part Number** [BUK7Y41-80EX](#)  
**Manufacturer** Nexperia USA Inc.  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 80V 25A LPAK  
**Package** SC-100, SOT-669  
 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.


**BUK7Y41-80EX Specifications**

|  |   |
|--|---|
| Manufacturer Part Number                                       | <a href="#">BUK7Y41-80EX</a>  |
| Manufacturer   | Nexperia USA Inc.   |
| Category   | Discrete Semiconductor Products<br><a href="#">Transistors - FETs, MOSFETs - Single</a> |
| Package  | SC-100, SOT-669   |
| Series   | TrenchMOS?  |
| FET Type   | N-Channel   |
| Technology   | MOSFET (Metal Oxide)  |
| Drain to Source Voltage (V <sub>ds</sub> )                     | 80V   |
| Current - Continuous Drain (I <sub>d</sub> ) @ 25°C            | 25A (Tc)  |
| Drive Voltage (Max R <sub>ds</sub> On, Min R <sub>ds</sub> On) | 10V   |
| V <sub>gs</sub> (th) (Max) @ I <sub>d</sub>                    | 4V @ 1mA  |
| Gate Charge (Q <sub>g</sub> ) (Max) @ V <sub>gs</sub>          | 16.4nC @ 10V  |
| Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub>  | 1119pF @ 25V  |
| V <sub>gs</sub> (Max)  | ±20V  |
| FET Feature  | -   |
| Power Dissipation (Max)  | 64W (Tc)  |
| R <sub>ds</sub> On (Max) @ I <sub>d</sub> , V <sub>gs</sub>    | 41 mOhm @ 5A, 10V   |
| Operating Temperature  | -55°C ~ 175°C (TJ)  |
| Mounting Type  | Surface Mount   |
| Supplier Device Package  | LFPAK56, Power-SO8  |
| Package / Case   | SC-100, SOT-669   |

[Report errors?](#)

## BUK7Y41-80EX 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.

## BUK7Y41-80EX Payment Methods



## BUK7Y41-80EX Shipping Methods



If you have any question about BUK7Y41-80EX, please do not hesitate to contact us!

Website: <https://www.heisener.com>

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