

**BUK7K45-100EX Information**


For Reference Only

**Part Number** [BUK7K45-100EX](#)  
**Manufacturer** Nexperia USA Inc.  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Arrays](#)  
**Description** MOSFET 2N-CH 100V 21.4A LFPAK56  
**Package** SOT-1205, 8-LFPAK56  
 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.


**BUK7K45-100EX Specifications**

Manufacturer Part Number	<a href="#">BUK7K45-100EX</a>
Manufacturer	Nexperia USA Inc.
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Arrays</a>
Package	SOT-1205, 8-LFPAK56
Series	-
FET Type	2 N-Channel (Dual)
FET Feature	Standard
Drain to Source Voltage (V <sub>dss</sub> )	100V
Current - Continuous Drain (I <sub>d</sub> ) @ 25°C	21.4A
R <sub>ds</sub> On (Max) @ I <sub>d</sub> , V <sub>gs</sub>	37.6 mOhm @ 5A, 10V
V <sub>gs</sub> (th) (Max) @ I <sub>d</sub>	4V @ 1mA
Gate Charge (Q <sub>g</sub> ) (Max) @ V <sub>gs</sub>	25.9nC @ 10V
Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub>	1533pF @ 25V
Power - Max	53W
Operating Temperature	-
Mounting Type	Surface Mount
Package / Case	SOT-1205, 8-LFPAK56
Supplier Device Package	LFPAK56D

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## BUK7K45-100EX 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.

## BUK7K45-100EX Payment Methods



## BUK7K45-100EX Shipping Methods



If you have any question about BUK7K45-100EX, please do not hesitate to contact us!

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

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