

**BUK7Y12-40EX Information**


For Reference Only

**Part Number** [BUK7Y12-40EX](#)  
**Manufacturer** Nexperia USA Inc.  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 40V 52A 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.


**BUK7Y12-40EX Specifications**

Manufacturer Part Number	<a href="#">BUK7Y12-40EX</a>
Manufacturer	Nexperia USA Inc.
Category	Discrete Semiconductor Products <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> )	40V
Current - Continuous Drain (I <sub>d</sub> ) @ 25°C	52A (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>	15nC @ 10V
Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub>	1039pF @ 25V
V <sub>gs</sub> (Max)	±20V
FET Feature	-
Power Dissipation (Max)	65W (Tc)
R <sub>ds</sub> On (Max) @ I <sub>d</sub> , V <sub>gs</sub>	12 mOhm @ 15A, 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?](#)

## BUK7Y12-40EX 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.

## BUK7Y12-40EX Payment Methods



## BUK7Y12-40EX Shipping Methods



If you have any question about BUK7Y12-40EX, please do not hesitate to contact us!

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

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