

BUK9Y12-40E,115 Information


For Reference Only

Part Number [BUK9Y12-40E,115](#)
Manufacturer Nexperia USA Inc.
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 40V LFPK
Package SC-100, SOT-669
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com


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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.


BUK9Y12-40E,115 Specifications

Manufacturer Part Number	BUK9Y12-40E,115
Manufacturer	Nexperia USA Inc.
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	SC-100, SOT-669
Series	Automotive, AEC-Q101
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V _{ds})	40V
Current - Continuous Drain (I _d) @ 25°C	52A (Tc)
Drive Voltage (Max R _{ds} On, Min R _{ds} On)	5V
V _{gs} (th) (Max) @ I _d	2.1V @ 1mA
Gate Charge (Q _g) (Max) @ V _{gs}	9.8nC @ 5V
Input Capacitance (C _{iss}) (Max) @ V _{ds}	1423pF @ 25V
V _{gs} (Max)	±10V
FET Feature	-
Power Dissipation (Max)	65W (Tc)
R _{ds} On (Max) @ I _d , V _{gs}	10 mOhm @ 15A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	LFPK56, Power-SO8
Package / Case	SC-100, SOT-669

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BUK9Y12-40E,115 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.

BUK9Y12-40E,115 Payment Methods



BUK9Y12-40E,115 Shipping Methods



If you have any question about BUK9Y12-40E,115, please do not hesitate to contact us!

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