

**BUK7105-40AIE,118 Information**


For Reference Only

**Part Number** [BUK7105-40AIE,118](#)  
**Manufacturer** Nexperia USA Inc.  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 40V 75A D2PAK  
**Package** TO-263-5, D2Pak (4 Leads + Tab), TO-263BB  
 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.


**BUK7105-40AIE,118 Specifications**

Manufacturer Part Number	<a href="#">BUK7105-40AIE,118</a>
Manufacturer	Nexperia USA Inc.
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	TO-263-5, D2Pak (4 Leads + Tab), TO-263BB
Series	TrenchMOS?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	40V
Current - Continuous Drain (Id) @ 25°C	75A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	127nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	5000pF @ 25V
Vgs (Max)	±20V
FET Feature	Current Sensing
Power Dissipation (Max)	272W (Tc)
Rds On (Max) @ Id, Vgs	5 mOhm @ 50A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	SOT-426
Package / Case	TO-263-5, D2Pak (4 Leads + Tab), TO-263BB

[Report errors?](#)

## BUK7105-40AIE,118 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.

## BUK7105-40AIE,118 Payment Methods



## BUK7105-40AIE,118 Shipping Methods



If you have any question about BUK7105-40AIE,118, please do not hesitate to contact us!

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

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