

BUK7107-55AIE,118 Information


For Reference Only

Part Number [BUK7107-55AIE,118](#)
Manufacturer Nexperia USA Inc.
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 55V 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



[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.


BUK7107-55AIE,118 Specifications

Manufacturer Part Number	BUK7107-55AIE,118
Manufacturer	Nexperia USA Inc.
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-263-5, D2Pak (4 Leads + Tab), TO-263BB
Series	Automotive, AEC-Q101, TrenchMOS?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	55V
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	116nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	4500pF @ 25V
Vgs (Max)	±20V
FET Feature	Current Sensing
Power Dissipation (Max)	272W (Tc)
Rds On (Max) @ Id, Vgs	7 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?](#)

BUK7107-55AIE,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.

BUK7107-55AIE,118 Payment Methods



BUK7107-55AIE,118 Shipping Methods



If you have any question about BUK7107-55AIE,118, please do not hesitate to contact us!

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

E-mail: salesdept@heisener.com