

NP55N055SDG-E1-AY Information


For Reference Only

Part Number [NP55N055SDG-E1-AY](#)
Manufacturer Renesas Electronics America
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 55V 55A TO-252
Package TO-252-3, DPak (2 Leads + Tab), SC-63
 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.


NP55N055SDG-E1-AY Specifications

Manufacturer Part Number	NP55N055SDG-E1-AY
Manufacturer	Renesas Electronics America
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Series	-
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	55V
Current - Continuous Drain (Id) @ 25°C	55A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	2.5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	96nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	4800pF @ 25V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	1.2W (Ta), 77W (Tc)
Rds On (Max) @ Id, Vgs	9.5 mOhm @ 28A, 10V
Operating Temperature	175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	TO-252 (MP-3ZK)
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63

[Report errors?](#)

NP55N055SDG-E1-AY 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.

NP55N055SDG-E1-AY Payment Methods



NP55N055SDG-E1-AY Shipping Methods



If you have any question about NP55N055SDG-E1-AY, please do not hesitate to contact us!

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