

**NP50P04KDG-E1-AY Information**


For Reference Only

**Part Number** [NP50P04KDG-E1-AY](#)  
**Manufacturer** Renesas Electronics America  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET P-CH 40V 50A TO-263  
**Package** TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  
 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.


**NP50P04KDG-E1-AY Specifications**

Manufacturer Part Number	<a href="#">NP50P04KDG-E1-AY</a>
Manufacturer	Renesas Electronics America
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Series	-
FET Type	P-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	40V
Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	2.5V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	100nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	5100pF @ 10V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	1.8W (Ta), 90W (Tc)
Rds On (Max) @ Id, Vgs	10 mOhm @ 25A, 10V
Operating Temperature	175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	TO-263
Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

[Report errors?](#)

## NP50P04KDG-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.

## NP50P04KDG-E1-AY Payment Methods



## NP50P04KDG-E1-AY Shipping Methods



If you have any question about NP50P04KDG-E1-AY, please do not hesitate to contact us!

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

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