

NP50P06KDG-E1-AY Information


For Reference Only

Part Number [NP50P06KDG-E1-AY](#)
Manufacturer Renesas Electronics America
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET P-CH 60V 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


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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.


NP50P06KDG-E1-AY Specifications

Manufacturer Part Number	NP50P06KDG-E1-AY
Manufacturer	Renesas Electronics America
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Series	-
FET Type	P-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V _{dss})	60V
Current - Continuous Drain (I _d) @ 25°C	50A (T _c)
Drive Voltage (Max R _{ds On} , Min R _{ds On})	4.5V, 10V
V _{gs(th)} (Max) @ I _d	2.5V @ 1mA
Gate Charge (Q _g) (Max) @ V _{gs}	95nC @ 10V
Input Capacitance (C _{iss}) (Max) @ V _{ds}	5000pF @ 10V
V _{gs} (Max)	±20V
FET Feature	-
Power Dissipation (Max)	1.8W (T _a), 90W (T _c)
R _{ds On} (Max) @ I _d , V _{gs}	17 mOhm @ 25A, 10V
Operating Temperature	175°C (T _J)
Mounting Type	Surface Mount
Supplier Device Package	TO-263
Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

[Report errors?](#)

NP50P06KDG-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.

NP50P06KDG-E1-AY Payment Methods



NP50P06KDG-E1-AY Shipping Methods



If you have any question about NP50P06KDG-E1-AY, please do not hesitate to contact us!

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