

IPU50R1K4CEAKMA1 Information


For Reference Only

Part Number [IPU50R1K4CEAKMA1](#)
Manufacturer Infineon Technologies
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 500V 3.1A TO-251
Package TO-251-3 Short Leads, IPak, TO-251AA
 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.


IPU50R1K4CEAKMA1 Specifications

Manufacturer Part Number	IPU50R1K4CEAKMA1
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-251-3 Short Leads, IPak, TO-251AA
Series	CoolMOS ² CE
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V _{dss})	500V
Current - Continuous Drain (I _d) @ 25°C	3.1A (T _c)
Drive Voltage (Max R _{ds On} , Min R _{ds On})	13V
V _{gs(th)} (Max) @ I _d	3.5V @ 70μA
Gate Charge (Q _g) (Max) @ V _{gs}	8.2nC @ 10V
Input Capacitance (C _{iss}) (Max) @ V _{ds}	178pF @ 100V
V _{gs} (Max)	±20V
FET Feature	-
Power Dissipation (Max)	42W (T _c)
R _{ds On} (Max) @ I _d , V _{gs}	1.4 Ohm @ 900mA, 13V
Operating Temperature	-55°C ~ 150°C (T _J)
Mounting Type	Surface Mount
Supplier Device Package	PG-TO251-3
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA

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IPU50R1K4CEAKMA1 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.

IPU50R1K4CEAKMA1 Payment Methods



IPU50R1K4CEAKMA1 Shipping Methods



If you have any question about IPU50R1K4CEAKMA1, please do not hesitate to contact us!

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