

IPD90R1K2C3BTMA1 Information


For Reference Only

Part Number [IPD90R1K2C3BTMA1](#)
Manufacturer Infineon Technologies
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 900V 5.1A 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.


IPD90R1K2C3BTMA1 Specifications

Manufacturer Part Number	IPD90R1K2C3BTMA1
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Series	CoolMOS?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	900V
Current - Continuous Drain (Id) @ 25°C	5.1A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	3.5V @ 310µA
Gate Charge (Qg) (Max) @ Vgs	28nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	710pF @ 100V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	83W (Tc)
Rds On (Max) @ Id, Vgs	1.2 Ohm @ 2.8A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	PG-TO252-3
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63

[Report errors?](#)

IPD90R1K2C3BTMA1 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.

IPD90R1K2C3BTMA1 Payment Methods



IPD90R1K2C3BTMA1 Shipping Methods



If you have any question about IPD90R1K2C3BTMA1, please do not hesitate to contact us!

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

E-mail: salesdept@heisener.com