

IRF6614

IRF6614 Information



Part Number	IRF6614
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Description	MOSFET N-CH 40V DIRECTFET-ST
Package	DirectFET? Isometric ST
	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

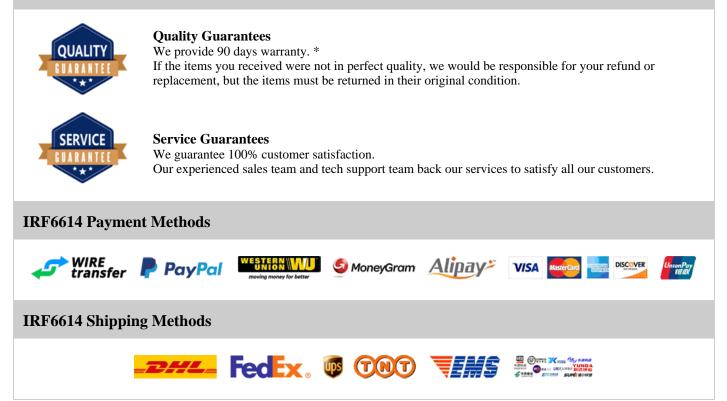
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



IRF6614 Specifications

Manufacturer Part Number	IRF6614
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	DirectFET? Isometric ST
Series	HEXFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	40V
Current - Continuous Drain (Id) @ 25°C	12.7A (Ta), 55A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	2.25V @ 250μA
Gate Charge (Qg) (Max) @ Vgs	29nC @ 4.5V
Input Capacitance (Ciss) (Max) @ Vds	2560pF @ 20V
Vgs (Max)	$\pm 20 \mathrm{V}$
FET Feature	-
Power Dissipation (Max)	2.1W (Ta), 42W (Tc)
Rds On (Max) @ Id, Vgs	8.3 mOhm @ 12.7A, 10V
Operating Temperature	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	DIRECTFET? ST
Package / Case	DirectFET? Isometric ST
	Report errors?

IRF6614 Guarantees



If you have any question about IRF6614, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com