

BSC046N02KS G Information


For Reference Only

Part Number [BSC046N02KS G](#)
Manufacturer Infineon Technologies
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 20V 80A TDFN-8
Package 8-PowerTDFN
 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.


BSC046N02KS G Specifications

Manufacturer Part Number	BSC046N02KS G
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	8-PowerTDFN
Series	OptiMOS?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	20V
Current - Continuous Drain (Id) @ 25°C	19A (Ta), 80A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V
Vgs(th) (Max) @ Id	1.2V @ 110µA
Gate Charge (Qg) (Max) @ Vgs	27.6nC @ 4.5V
Input Capacitance (Ciss) (Max) @ Vds	4100pF @ 10V
Vgs (Max)	±12V
FET Feature	-
Power Dissipation (Max)	2.8W (Ta), 48W (Tc)
Rds On (Max) @ Id, Vgs	4.6 mOhm @ 50A, 4.5V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	PG-TDFN-8
Package / Case	8-PowerTDFN

[Report errors?](#)

BSC046N02KS G 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.

BSC046N02KS G Payment Methods



BSC046N02KS G Shipping Methods



If you have any question about BSC046N02KS G, please do not hesitate to contact us!

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

E-mail: salesdept@heisener.com