

BSO052N03S Information


For Reference Only

Part Number [BSO052N03S](#)
Manufacturer Infineon Technologies
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 30V 14A 8DSO
Package 8-SOIC (0.154", 3.90mm Width)
 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.


BSO052N03S Specifications

Manufacturer Part Number	BSO052N03S
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	8-SOIC (0.154", 3.90mm Width)
Series	OptiMOS?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	30V
Current - Continuous Drain (Id) @ 25°C	14A (Ta)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	2V @ 70µA
Gate Charge (Qg) (Max) @ Vgs	43nC @ 5V
Input Capacitance (Ciss) (Max) @ Vds	5530pF @ 15V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	1.56W (Ta)
Rds On (Max) @ Id, Vgs	5.2 mOhm @ 17A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	PG-DSO-8
Package / Case	8-SOIC (0.154", 3.90mm Width)

[Report errors?](#)

BSO052N03S 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.

BSO052N03S Payment Methods



BSO052N03S Shipping Methods



If you have any question about BSO052N03S, please do not hesitate to contact us!

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

E-mail: salesdept@heisener.com