

SPA16N50C3 Information


For Reference Only

Part Number [SPA16N50C3](#)
Manufacturer Infineon Technologies
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 560V 16A TO220FP
Package TO-220-3 Full Pack
 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.


SPA16N50C3 Specifications

| | |
|--|---|
| Manufacturer Part Number | SPA16N50C3 |
| Manufacturer | Infineon Technologies |
| Category | Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single |
| Package | TO-220-3 Full Pack |
| Series | CoolMOS? |
| FET Type | N-Channel |
| Technology | MOSFET (Metal Oxide) |
| Drain to Source Voltage (V _{dss}) | 560V |
| Current - Continuous Drain (I _d) @ 25°C | 16A (T _c) |
| Drive Voltage (Max R _{ds} On, Min R _{ds} On) | 10V |
| V _{gs} (th) (Max) @ I _d | 3.9V @ 675μA |
| Gate Charge (Q _g) (Max) @ V _{gs} | 66nC @ 10V |
| Input Capacitance (C _{iss}) (Max) @ V _{ds} | 1600pF @ 25V |
| V _{gs} (Max) | ±20V |
| FET Feature | - |
| Power Dissipation (Max) | 34W (T _c) |
| R _{ds} On (Max) @ I _d , V _{gs} | 280 mOhm @ 10A, 10V |
| Operating Temperature | -55°C ~ 150°C (T _J) |
| Mounting Type | Through Hole |
| Supplier Device Package | PG-TO220-3 |
| Package / Case | TO-220-3 Full Pack |

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SPA16N50C3 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.

SPA16N50C3 Payment Methods



SPA16N50C3 Shipping Methods



If you have any question about SPA16N50C3, please do not hesitate to contact us!

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