

C3M0120100J Information


For Reference Only

Part Number [C3M0120100J](#)
Manufacturer Cree/Wolfspeed
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH SiC 1KV 22A D2PAK-7
Package TO-263-8, D2Pak (7 Leads + Tab), TO-263CA
 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.


C3M0120100J Specifications

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|--|---|
| Manufacturer Part Number | C3M0120100J |
| Manufacturer | Cree/Wolfspeed |
| Category | Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single |
| Package | TO-263-8, D2Pak (7 Leads + Tab), TO-263CA |
| Series | C3M? |
| FET Type | N-Channel |
| Technology | SiC (Silicon Carbide Junction Transistor) |
| Drain to Source Voltage (Vdss) | 1000V |
| Current - Continuous Drain (Id) @ 25°C | 22A (Tc) |
| Drive Voltage (Max Rds On, Min Rds On) | 15V |
| Vgs(th) (Max) @ Id | 3.5V @ 3mA |
| Gate Charge (Qg) (Max) @ Vgs | 21.5nC @ 15V |
| Input Capacitance (Ciss) (Max) @ Vds | 350pF @ 600V |
| Vgs (Max) | +15V, -4V |
| FET Feature | - |
| Power Dissipation (Max) | 83W (Tc) |
| Rds On (Max) @ Id, Vgs | 155 mOhm @ 15A, 15V |
| Operating Temperature | -55°C ~ 150°C (TJ) |
| Mounting Type | Surface Mount |
| Supplier Device Package | D2PAK-7 |
| Package / Case | TO-263-8, D2Pak (7 Leads + Tab), TO-263CA |

[Report errors?](#)

C3M0120100J 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.

C3M0120100J Payment Methods



C3M0120100J Shipping Methods



If you have any question about C3M0120100J, please do not hesitate to contact us!

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