



FQD6N60CTM Information



For Reference Only

Part Number FQD6N60CTM

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 4A DPAK

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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FQD6N60CTM Specifications

| Manufacturer Part Number FQD6N60CTM Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series QFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 4A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 810pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 80W (Tc) Rds On (Max) @ Id, Vgs 2 Ohm @ 2A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | | |
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| Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 4A (Tc) 4V @ 250μA 810pF @ 25V 430V 450V 450V 450V 450V 450V 460V 460V 460V 470V 470 | Technology | MOSFET (Metal Oxide) |
| Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Drain to Source Voltage (Vdss) | 600V |
| Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 4V @ 250μA 20nC @ 10V 810pF @ 25V 810pF @ 25V 810pF @ 25V 820V 810pF @ 25V 820V 820V FET Feature | Current - Continuous Drain (Id) @ 25°C | 4A (Tc) |
| Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 810pF @ 25V Vgs (Max) ±30V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2 Ohm @ 2A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Vgs(th) (Max) @ Id | 4V @ 250μA |
| Vgs (Max)±30VFET Feature-Power Dissipation (Max)80W (Tc)Rds On (Max) @ Id, Vgs2 Ohm @ 2A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63 | Gate Charge (Qg) (Max) @ Vgs | 20nC @ 10V |
| FET Feature - Power Dissipation (Max) 80W (Tc) Rds On (Max) @ Id, Vgs 2 Ohm @ 2A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Input Capacitance (Ciss) (Max) @ Vds | 810pF @ 25V |
| Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2 Ohm @ 2A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Vgs (Max) | ±30V |
| Rds On (Max) @ Id, Vgs2 Ohm @ 2A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63 | FET Feature | - |
| Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Power Dissipation (Max) | 80W (Tc) |
| Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Rds On (Max) @ Id, Vgs | 2 Ohm @ 2A, 10V |
| Supplier Device Package D-Pak Package / Case D-Pak TO-252-3, DPak (2 Leads + Tab), SC-63 | Operating Temperature | -55°C ~ 150°C (TJ) |
| Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Mounting Type | Surface Mount |
| | Supplier Device Package | D-Pak |
| Report errors? | Package / Case | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| | | Report errors? |

FQD6N60CTM 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.

FQD6N60CTM Payment Methods



















FQD6N60CTM Shipping Methods













If you have any question about FQD6N60CTM, please do not hesitate to contact us!

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