

APTM120UM70DAG

APTM120UM70DAG Information

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Part Number APTM120UM70DAG
Manufacturer Microsemi Corporation

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 1200V 171A SP6

Package SP6

For the pricing/inventory/lead time, please contact

us

For Reference Only

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APTM120UM70DAG Specifications

| Manufacturer Part Number Manufacturer Microsemi Corporation Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SP6 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 171A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 43500pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Chassis Mount Danata and the single of the | | |
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| CategoryDiscrete Semiconductor ProductsPackageSP6Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1200VCurrent - Continuous Drain (Id) @ 25°C171ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 30mAGate Charge (Qg) (Max) @ Vgs1650nC @ 10VInput Capacitance (Ciss) (Max) @ Vds43500pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)5000W (Tc)Rds On (Max) @ Id, Vgs80 mOhm @ 85.5A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP6Package / CaseSP6 | Manufacturer Part Number | APTM120UM70DAG |
| Package SP6 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1200V Current - Continuous Drain (Id) @ 25°C 171A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 30mA Gate Charge (Qg) (Max) @ Vgs 1650nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 43500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 5000W (Tc) Rds On (Max) @ Id, Vgs 80 mOhm @ 85.5A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6 | Manufacturer | Microsemi Corporation |
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| Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1200VCurrent - Continuous Drain (Id) @ 25°C171ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 30mAGate Charge (Qg) (Max) @ Vgs1650nC @ 10VInput Capacitance (Ciss) (Max) @ Vds43500pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)5000W (Tc)Rds On (Max) @ Id, Vgs80 mOhm @ 85.5A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP6Package / CaseSP6 | | Transistors - FETs, MOSFETs - Single |
| FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1200V Current - Continuous Drain (Id) @ 25°C 171A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 30mA Gate Charge (Qg) (Max) @ Vgs 1650nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 43500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 5000W (Tc) Rds On (Max) @ Id, Vgs 80 mOhm @ 85.5A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6 | Package | SP6 |
| Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 171A 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 40°C ~ 150°C (TJ) Mounting Type Supplier Device Package Package / Case MOSFET (Metal Oxide) 1200V 1200V 171A 171A 5V @ 30mA 1650nC @ 10V 43500pF @ 25V 43500pF @ 25V 43500pF @ 25V 500W (Tc) 80 mOhm @ 85.5A, 10V Chassis Mount Supplier Device Package SP6 | Series | - |
| Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 171A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 30mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case 171A 171A 171A 170V 17 | FET Type | N-Channel |
| Current - Continuous Drain (Id) @ 25°C 171A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 30mA Gate Charge (Qg) (Max) @ Vgs 1650nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 43500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 5000W (Tc) Rds On (Max) @ Id, Vgs 80 mOhm @ 85.5A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package SP6 Package / Case SP6 | Technology | MOSFET (Metal Oxide) |
| Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5V @ 30mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 85.5A, 10V Operating Temperature Au°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SP6 | Drain to Source Voltage (Vdss) | 1200V |
| 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 Chassis Mount Supplier Device Package Package / Case SP6 1650nC @ 10V 43500pF @ 25V 43500pF @ 25V 5000W (Tc) 80 mOhm @ 85.5A, 10V -40°C ~ 150°C (TJ) Chassis Mount SP6 | Current - Continuous Drain (Id) @ 25°C | 171A |
| Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 43500pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 85.5A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SP6 | Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Input Capacitance (Ciss) (Max) @ Vds 43500pF @ 25V Vgs (Max) ±30V FET Feature | Vgs(th) (Max) @ Id | 5V @ 30mA |
| Vgs (Max)±30VFET Feature-Power Dissipation (Max)5000W (Tc)Rds On (Max) @ Id, Vgs80 mOhm @ 85.5A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP6Package / CaseSP6 | Gate Charge (Qg) (Max) @ Vgs | 1650nC @ 10V |
| FET Feature - Comparison (Max) 5000W (Tc) Rds On (Max) @ Id, Vgs 80 mOhm @ 85.5A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6 | Input Capacitance (Ciss) (Max) @ Vds | 43500pF @ 25V |
| Power Dissipation (Max) 5000W (Tc) Rds On (Max) @ Id, Vgs 80 mOhm @ 85.5A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6 | Vgs (Max) | ±30V |
| Rds On (Max) @ Id, Vgs80 mOhm @ 85.5A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP6Package / CaseSP6 | FET Feature | - |
| Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6 | Power Dissipation (Max) | 5000W (Tc) |
| Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6 | Rds On (Max) @ Id, Vgs | 80 mOhm @ 85.5A, 10V |
| Supplier Device Package SP6 Package / Case SP6 | Operating Temperature | -40°C ~ 150°C (TJ) |
| Package / Case SP6 | Mounting Type | Chassis Mount |
| - | Supplier Device Package | SP6 |
| D0 | Package / Case | SP6 |
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APTM120UM70DAG 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.

APTM120UM70DAG Payment Methods



















APTM120UM70DAG Shipping Methods













If you have any question about APTM120UM70DAG, please do not hesitate to contact us!

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