

APTM120DA30CT1G

APTM120DA30CT1G Information



For Reference Only

Part Number APTM120DA30CT1G **Manufacturer** Microsemi Corporation

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 1200V 31A SP1

Package SP:

For the pricing/inventory/lead time, please contact

us

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



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APTM120DA30CT1G Specifications

Manufacturer Part NumberAPTM120DA30CT1GManufacturerMicrosemi CorporationCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackageSP1SeriesPOWER MOS 8?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1200VCurrent - Continuous Drain (Id) @ 25°C31ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 2.5mAGate Charge (Qg) (Max) @ Vgs560nC @ 10VInput Capacitance (Ciss) (Max) @ Vds14560pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)657W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 25A, 10VOperating Temperature40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP1Package / CaseSP1Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SP1 Series POWER MOS 8? FET Type N-Channel Technology MOSFET (Metal Oxide) 1200V Current - Continuous Drain (Id) @ 25°C 31A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ### 30V ### 30V ### 50FT Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 360 mOhm @ 25A, 10V Operating Temperature ### 40°C ~ 150°C (TJ) Mounting Type Supplier Device Package PSP1 Package / Case	Manufacturer Part Number	APTM120DA30CT1G
Package SP1 Series POWER MOS 8? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1200V Current - Continuous Drain (Id) @ 25°C 31A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 2.5mA Gate Charge (Qg) (Max) @ Vgs 560nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 14560pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 657W (Tc) Rds On (Max) @ Id, Vgs 360 mOhm @ 25A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP1 Package / Case SP1	Manufacturer	Microsemi Corporation
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Series POWER MOS 8? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1200V Current - Continuous Drain (Id) @ 25°C 31A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 2.5mA Gate Charge (Qg) (Max) @ Vgs 560nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 14560pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 657W (Tc) Rds On (Max) @ Id, Vgs 360 mOhm @ 25A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP1 Package / Case		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1200V Current - Continuous Drain (Id) @ 25°C 31A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 2.5mA Gate Charge (Qg) (Max) @ Vgs 560nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 14560pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 657W (Tc) Rds On (Max) @ Id, Vgs 360 mOhm @ 25A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP1 Package / Case SP1	Package	SP1
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 31A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 2.5mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Aover C 150°C (TJ) Mounting Type Supplier Device Package Package / Case MOSFET (Metal Oxide) 1200V 1200V 31A 5V @ 2.5mA 560nC @ 10V 14560pF @ 25V ±30V FC 150°C (TJ) Chassis Mount SP1 Package / Case	Series	POWER MOS 8?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 31A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 2.5mA 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 SP1 110V 31A 10V 31A 31A 10V 5V @ 2.5mA 560nC @ 10V 14560pF @ 25V 40°C ~ 150°C (TO) Chassis Mount Supplier Device Package SP1	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 2.5mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 360 mOhm @ 25A, 10V Operating Temperature Chassis Mount Supplier Device Package Package / Case SP1	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5V @ 2.5mA 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 SP1 SP1	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 40°C ~ 150°C (TJ) Mounting Type Supplier Device Package Package / Case SP1	Current - Continuous Drain (Id) @ 25°C	31A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 14560pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 360 mOhm @ 25A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP1 Package / Case SP1	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 40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SP1 SP1	Vgs(th) (Max) @ Id	5V @ 2.5mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)657W (Tc)Rds On (Max) @ Id, Vgs360 mOhm @ 25A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP1Package / CaseSP1	Gate Charge (Qg) (Max) @ Vgs	560nC @ 10V
FET Feature - Power Dissipation (Max) 657W (Tc) Rds On (Max) @ Id, Vgs 360 mOhm @ 25A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP1 Package / Case SP1	Input Capacitance (Ciss) (Max) @ Vds	14560pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 360 mOhm @ 25A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP1 Package / Case SP1	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs360 mOhm @ 25A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP1Package / CaseSP1	FET Feature	-
Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP1 Package / Case SP1	Power Dissipation (Max)	657W (Tc)
Mounting Type Chassis Mount Supplier Device Package SP1 Package / Case SP1	Rds On (Max) @ Id, Vgs	360 mOhm @ 25A, 10V
Supplier Device Package SP1 Package / Case SP1	Operating Temperature	-40°C ~ 150°C (TJ)
Package / Case SP1	Mounting Type	Chassis Mount
•	Supplier Device Package	SP1
Report errors?	Package / Case	SP1
		Report errors?

APTM120DA30CT1G 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.

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APTM120DA30CT1G Shipping Methods













If you have any question about APTM120DA30CT1G, please do not hesitate to contact us!

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