

APTM50DAM38CTG

APTM50DAM38CTG Information

Heisener.com

Part Number APTM50DAM38CTG Manufacturer Microsemi Corporation

Discrete Semiconductor Products Category

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 90A SP4

Package

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

E-mail: salesdept@heisener.com



Request a Quote

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.









APTM50DAM38CTG Specifications

Manufacturer Part Number Manufacturer Microsemi Corporation Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SP4 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 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 Urgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Supplier Device Package SP4 Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SP4 Series - FET Type N-Channel Technology Drain to Source Voltage (Vdss) 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) ### 30V ### 30V ### 54 mOhm @ 45A, 10V Operating Temperature ### 40°C ~ 150°C (TJ) Mounting Type Supplier Device Package Package / Case	Manufacturer Part Number	APTM50DAM38CTG
Package SP4 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 90A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 5mA Gate Charge (Qg) (Max) @ Vgs 246nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 11200pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 694W (Tc) Rds On (Max) @ Id, Vgs 45 mOhm @ 45A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP4 Package / Case SP4	Manufacturer	Microsemi Corporation
PackageSP4Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C90ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 5mAGate Charge (Qg) (Max) @ Vgs246nC @ 10VInput Capacitance (Ciss) (Max) @ Vds11200pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)694W (Tc)Rds On (Max) @ Id, Vgs45 mOhm @ 45A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP4Package / CaseSP4	Category	Discrete Semiconductor Products
Series - N-Channel FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 90A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 5mA Gate Charge (Qg) (Max) @ Vgs 246nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 11200pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 694W (Tc) Rds On (Max) @ Id, Vgs 45 mOhm @ 45A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP4 Package / Case		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 90A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 5mA Gate Charge (Qg) (Max) @ Vgs 246nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 11200pF @ 25V Vgs (Max) ±30V FET Feature Power Dissipation (Max) 694W (Tc) Rds On (Max) @ Id, Vgs 45 mOhm @ 45A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SP4	Package	SP4
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 90A 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 Mounting Type Supplier Device Package Package / Case MOSFET (Metal Oxide) 500V MOSFET (Metal Oxide) 500V 500V 600V 600V 600V 10V 5v @ 5mA 246nC @ 10V 11200pF @ 25V 230V FET Feature - Chassis Mount Supplier Device Package SP4 Package / Case	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 90A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 5mA Gate Charge (Qg) (Max) @ Vgs 11200pF @ 25V Vgs (Max) 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 SP4	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 5mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 45 mOhm @ 45A, 10V Operating Temperature Mounting Type Chassis Mount Supplier Device Package Package / Case SP4 SP4	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5V @ 5mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 45 mOhm @ 45A, 10V Operating Temperature Au°C ~ 150°C (TJ) Mounting Type Supplier Device Package Package / Case SP4	Drain to Source Voltage (Vdss)	500V
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 45 mOhm @ 45A, 10V Operating Type Chassis Mount Supplier Device Package Package / Case SP4	Current - Continuous Drain (Id) @ 25°C	90A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 11200pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 45 mOhm @ 45A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SP4	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 45 mOhm @ 45A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP4 Package / Case SP4	Vgs(th) (Max) @ Id	5V @ 5mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)694W (Tc)Rds On (Max) @ Id, Vgs45 mOhm @ 45A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP4Package / CaseSP4	Gate Charge (Qg) (Max) @ Vgs	246nC @ 10V
FET Feature - G94W (Tc) Rds On (Max) @ Id, Vgs 45 mOhm @ 45A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP4 Package / Case SP4	Input Capacitance (Ciss) (Max) @ Vds	11200pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 45 mOhm @ 45A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP4 Package / Case SP4	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs45 mOhm @ 45A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP4Package / CaseSP4	FET Feature	-
Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP4 Package / Case SP4	Power Dissipation (Max)	694W (Tc)
Mounting Type Chassis Mount Supplier Device Package SP4 Package / Case SP4	Rds On (Max) @ Id, Vgs	45 mOhm @ 45A, 10V
Supplier Device Package SP4 Package / Case SP4	Operating Temperature	-40°C ~ 150°C (TJ)
Package / Case SP4	Mounting Type	Chassis Mount
•	Supplier Device Package	SP4
Report errors?	Package / Case	SP4
		Report errors?

APTM50DAM38CTG 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.

APTM50DAM38CTG Payment Methods



















APTM50DAM38CTG Shipping Methods













If you have any question about APTM50DAM38CTG, please do not hesitate to contact us!

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