

## APTM50DAM38CTG

### **APTM50DAM38CTG Information**

Heisener.com

**Part Number** APTM50DAM38CTG **Manufacturer** Microsemi Corporation

**Category** Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 500V 90A SP4

Package SP4

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com

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# **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!

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