



APT84M50L Information



Part Number APT84M50L

Manufacturer Microsemi Corporation

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 84A TO-264

Package TO-264-3, TO-264AA

For the pricing/inventory/lead time, please contact

us

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



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Certified Quality

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APT84M50L Specifications

Manufacturer Part Number APT84M50L Manufacturer Microsemi Corporation Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-264-3, TO-264AA Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 84A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 2.5mA Gate Charge (Qg) (Max) @ Vgs 340nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 1135W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-264-3, TO-264AA Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Torin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Prive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ### 230V ### 230V ### 240 ### 240 ### 240 ### 240 ### 240 ### 240 ### 260 ### 2	Manufacturer Part Number	APT84M50L
Package TO-264-3, TO-264AA Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 84A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 2.5mA Gate Charge (Qg) (Max) @ Vgs 340nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 1135W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	Manufacturer	Microsemi Corporation
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Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 84A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 2.5mA Gate Charge (Qg) (Max) @ Vgs 340nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 1135W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 84A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 2.5mA Gate Charge (Qg) (Max) @ Vgs 340nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 1135W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case To-264AA	Package	TO-264-3, TO-264AA
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 84A (Tc) 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 -55°C ~ 150°C (TJ) Mounting Type Supplier Device Package TO-264 Package / Case MAX (Tc) 84A (Tc)	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 84A (Tc) Prive 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 Supplier Device Package Package / Case Su A4A (Tc) 84A (Tc) 84B (Tc) 84A (Tc) 84B	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 65 mOhm @ 42A, 10V Operating Temperature Nounting Type Through Hole Supplier Device Package Package / Case 84A (Tc) 84 (Tc) 84A (Tc) 84 (Tc)	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 65 mOhm @ 42A, 10V Operating Temperature Cupy Through Hole Supplier Device Package Package / Case 10V 135W (Tc) 65 mOhm @ 42A, 10V Through Hole Supplier Device Package TO-264 TO-264-3, TO-264AA	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id 5V @ 2.5mA Gate Charge (Qg) (Max) @ Vgs 340nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 1135W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	Current - Continuous Drain (Id) @ 25°C	84A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	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 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	Vgs(th) (Max) @ Id	5V @ 2.5mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)1135W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 42A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264Package / CaseTO-264-3, TO-264AA	Gate Charge (Qg) (Max) @ Vgs	340nC @ 10V
FET Feature - Power Dissipation (Max) 1135W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	Input Capacitance (Ciss) (Max) @ Vds	13500pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs 65 mOhm @ 42A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	Power Dissipation (Max)	1135W (Tc)
Mounting Type Through Hole Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	Rds On (Max) @ Id, Vgs	65 mOhm @ 42A, 10V
Supplier Device Package TO-264 Package / Case TO-264-3, TO-264AA	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-264-3, TO-264AA	Mounting Type	Through Hole
	Supplier Device Package	TO-264
Report errors?	Package / Case	TO-264-3, TO-264AA
		Report errors?

APT84M50L 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.

APT84M50L Payment Methods





















APT84M50L Shipping Methods













If you have any question about APT84M50L, please do not hesitate to contact us!

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