



APTM10UM01FAG Information

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Part Number APTM10UM01FAG

Manufacturer Microsemi Corporation

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 860A SP6

Package SP6

For the pricing/inventory/lead time, please contact

us

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APTM10UM01FAG Specifications

Manufacturer Part NumberAPTM10UM01FAGManufacturerMicrosemi CorporationCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackageSP6Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C860ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 12mAGate Charge (Qg) (Max) @ Vgs2100nC @ 10VInput Capacitance (Ciss) (Max) @ Vds60000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)2500W (Tc)Rds On (Max) @ Id, Vgs1.6 mOhm @ 275A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP6Package / CaseSP6Report errors?		
CategoryDiscrete Semiconductor ProductsPackageSP6Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C860ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 12mAGate Charge (Qg) (Max) @ Vgs2100nC @ 10VInput Capacitance (Ciss) (Max) @ Vds60000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)2500W (Tc)Rds On (Max) @ Id, Vgs1.6 mOhm @ 275A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP6Package / CaseSP6	Manufacturer Part Number	APTM10UM01FAG
Package SP6 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 860A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 12mA Gate Charge (Qg) (Max) @ Vgs 2100nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 60000pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 2500W (Tc) Rds On (Max) @ Id, Vgs 1.6 mOhm @ 275A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6	Manufacturer	Microsemi Corporation
Package SP6 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 860A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 12mA Gate Charge (Qg) (Max) @ Vgs 2100nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 60000pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 2500W (Tc) Rds On (Max) @ Id, Vgs 1.6 mOhm @ 275A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6	Category	Discrete Semiconductor Products
Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C860ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 12mAGate Charge (Qg) (Max) @ Vgs2100nC @ 10VInput Capacitance (Ciss) (Max) @ Vds60000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)2500W (Tc)Rds On (Max) @ Id, Vgs1.6 mOhm @ 275A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP6Package / CaseSP6		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C860ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 12mAGate Charge (Qg) (Max) @ Vgs2100nC @ 10VInput Capacitance (Ciss) (Max) @ Vds60000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)2500W (Tc)Rds On (Max) @ Id, Vgs1.6 mOhm @ 275A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP6Package / CaseSP6	Package	SP6
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 860A 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 1.6 mOhm @ 275A, 10V Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) 100V 860A 400 400 400 400 100V 400 60000pF @ 25V 430V FET Feature -400°C ~ 150°C (TJ) Chassis Mount Sp6 Sp6	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 860A 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 Chassis Mount Supplier Device Package Package / Case 860A 860A 860A 860A 10V 860A 860A 10V 860A 10V 4V @ 12mA 4V @ 12mA 60000pF @ 25V 2100nC @ 10V 60000pF @ 25V 250W Chossis Mount Chassis Mount SP6 SP6	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Before 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 1.6 mOhm @ 275A, 10V Operating Temperature Mounting Type Chassis Mount Supplier Device Package Package / Case SP6	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 12mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.6 mOhm @ 275A, 10V Operating Temperature Au°C ~ 150°C (TJ) Mounting Type Supplier Device Package Package / Case SP6	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id 4V @ 12mA Gate Charge (Qg) (Max) @ Vgs 2100nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 60000pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 2500W (Tc) Rds On (Max) @ Id, Vgs 1.6 mOhm @ 275A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6	Current - Continuous Drain (Id) @ 25°C	860A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 60000pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.6 mOhm @ 275A, 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 Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.6 mOhm @ 275A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SP6	Vgs(th) (Max) @ Id	4V @ 12mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)2500W (Tc)Rds On (Max) @ Id, Vgs1.6 mOhm @ 275A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSP6Package / CaseSP6	Gate Charge (Qg) (Max) @ Vgs	2100nC @ 10V
FET Feature - Case - Case - SP6	Input Capacitance (Ciss) (Max) @ Vds	60000pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.6 mOhm @ 275A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SP6 SP6	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs1.6 mOhm @ 275A, 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)	2500W (Tc)
Mounting Type Chassis Mount Supplier Device Package SP6 Package / Case SP6	Rds On (Max) @ Id, Vgs	1.6 mOhm @ 275A, 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
Report errors?	Package / Case	SP6
		Report errors?

APTM10UM01FAG 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.

APTM10UM01FAG Payment Methods





















APTM10UM01FAG Shipping Methods













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