

AO4486 Information



For Reference Only

Part Number AO4486

ManufacturerAlpha & Omega Semiconductor Inc.CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

DescriptionMOSFET N-CH 100V 4.2A 8SOIC**Package**8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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AO4486 Specifications

Manufacturer Part Number AO4486 Manufacturer Alpha & Omega Semiconductor Inc. Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SOIC (0.154", 3.90mm Width) Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.7V @ 250µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 942pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 79 mOhm @ 3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SOIC (0.154", 3.90mm Width) Series - FET Type N-Channel Technology Drain 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 Vgs (Max) ### 20V ### 20	Manufacturer Part Number	AO4486
Package 8-SOIC (0.154", 3.90mm Width) Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.7V @ 250μA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 942pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 79 mOhm @ 3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)	Manufacturer	Alpha & Omega Semiconductor Inc.
Package8-SOIC (0.154", 3.90mm Width)Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C4.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.7V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds942pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs79 mOhm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width)	Category	Discrete Semiconductor Products
Series - N-Channel FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.7V @ 250µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 942pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 79 mOhm @ 3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 4.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.7V @ 250µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 942pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 79 mOhm @ 3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C4.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.7V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds942pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs79 mOhm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width)	Series	-
Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C4.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.7V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds942pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs79 mOhm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 79 mOhm @ 3A, 10V Operating Temperature Surplier Device Package Package / Case 4.2A (Ta) 4.2V (Ta) 4.5V, 10V 4.5V, 10V 4.5V, 10V 2.7V @ 250μA 20nC @ 10V 942pF @ 50V 4.2A (Ta) 1.5V @ 250μA 3.1W (Ta) 7.5V @ 10V 4.5V, 10V 2.7V @ 250μA 3.1W (Ta) 7.5°C ~ 150°C (TJ) 8-SOIC 8-SOIC 8-SOIC (0.154", 3.90mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.7V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds942pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs79 mOhm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width)	Drain to Source Voltage (Vdss)	100V
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 -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	4.2A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 942pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 79 mOhm @ 3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 79 mOhm @ 3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs(th) (Max) @ Id	2.7V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs79 mOhm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	20nC @ 10V
FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 79 mOhm @ 3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Capacitance (Ciss) (Max) @ Vds	942pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 79 mOhm @ 3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs79 mOhm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)	Power Dissipation (Max)	3.1W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	79 mOhm @ 3A, 10V
Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-SOIC
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

AO4486 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.

AO4486 Payment Methods

































If you have any question about AO4486, please do not hesitate to contact us!

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