

### AON4407L\_002 Information



For Reference Only

Part Number AON4407L\_002

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

**Description** MOSFET P-CH 12V 9A 8DFN

Package 8-SMD, Flat Lead

For the pricing/inventory/lead time, please contact

us

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



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# AON4407L\_002 Specifications

Manufacturer Part Number         AON4407L_002           Manufacturer         Alpha & Omega Semiconductor Inc.           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SMD, Flat Lead           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         12V           Current - Continuous Drain (Id) @ 25°C         9A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4.5V           Vgs(th) (Max) @ Id         850mV @ 250µA           Gate Charge (Qg) (Max) @ Vgs         23nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         2100pF @ 6V           Vgs (Max)         ±8V           FET Feature         -           Power Dissipation (Max)         2.5W (Ta)           Rds On (Max) @ Id, Vgs         20 mOhm @ 9A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-DFN (3x2)           Package / Case         8-SMD, Flat Lead		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package 8-SMD, Flat Lead Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Train to Source Voltage (Vdss) 12V Current - Continuous Drain (Id) @ 25°C 9A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4.5V Vgs(th) (Max) @ Id 850mV @ 250µA Gate Charge (Qg) (Max) @ Vgs 23nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 2100pF @ 6V Vgs (Max)  ### FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2.5W (Ta) Rds On (Max) @ Id, Vgs Operating Temperature Surface Mount Supplier Device Package Package / Case  Discrete Semiconductor Products  ### ### ### ### ### ### ### ### ###	Manufacturer Part Number	AON4407L_002
Package         8-SMD, Flat Lead           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         12V           Current - Continuous Drain (Id) @ 25°C         9A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4.5V           Vgs(th) (Max) @ Id         850mV @ 250μA           Gate Charge (Qg) (Max) @ Vgs         23nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         2100pF @ 6V           Vgs (Max)         ±8V           FET Feature         -           Power Dissipation (Max)         2.5W (Ta)           Rds On (Max) @ Id, Vgs         20 mOhm @ 9A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-DFN (3x2)           Package / Case         8-SMD, Flat Lead	Manufacturer	Alpha & Omega Semiconductor Inc.
Package         8-SMD, Flat Lead           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         12V           Current - Continuous Drain (Id) @ 25°C         9A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4.5V           Vgs(th) (Max) @ Id         850mV @ 250μA           Gate Charge (Qg) (Max) @ Vgs         23nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         2100pF @ 6V           Vgs (Max)         ±8V           FET Feature         -           Power Dissipation (Max)         2.5W (Ta)           Rds On (Max) @ Id, Vgs         20 mOhm @ 9A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-DFN (3x2)           Package / Case         8-SMD, Flat Lead	Category	Discrete Semiconductor Products
Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         12V           Current - Continuous Drain (Id) @ 25°C         9A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4.5V           Vgs(th) (Max) @ Id         850mV @ 250μA           Gate Charge (Qg) (Max) @ Vgs         23nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         2100pF @ 6V           Vgs (Max)         ±8V           FET Feature         -           Power Dissipation (Max)         2.5W (Ta)           Rds On (Max) @ Id, Vgs         20 mOhm @ 9A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-DFN (3x2)           Package / Case         8-SMD, Flat Lead		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)12VCurrent - Continuous Drain (Id) @ 25°C9A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.5V, 4.5VVgs(th) (Max) @ Id850mV @ 250μAGate Charge (Qg) (Max) @ Vgs23nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds2100pF @ 6VVgs (Max)±8VFET Feature-Power Dissipation (Max)2.5W (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN (3x2)Package / Case8-SMD, Flat Lead	Series	-
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Current - Continuous Drain (Id) @ 25°C 9A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4.5V  Vgs(th) (Max) @ Id 850mV @ 250μA  Gate Charge (Qg) (Max) @ Vgs 23nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds 2100pF @ 6V  Vgs (Max) ±8V  FET Feature -  Power Dissipation (Max) 2.5W (Ta)  Rds On (Max) @ Id, Vgs 20 mOhm @ 9A, 4.5V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-DFN (3x2)  Package / Case 8-SMD, Flat Lead	Technology	MOSFET (Metal Oxide)
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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  Supplier Device Package Package / Case  8-SMD, Flat Lead	Current - Continuous Drain (Id) @ 25°C	9A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  2100pF @ 6V  Vgs (Max)  ±8V  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  23nC @ 4.5V  2100pF @ 6V  2100pF @ 6V  220 W  Surface Mount  Surface Mount  Supplier Device Package  8-SMD, Flat Lead	Drive Voltage (Max Rds On, Min Rds On)	1.5V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  EET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Coperating Type  Surface Mount  Supplier Device Package  Package / Case  2100pF @ 6V  228V  20 mOhm @ 9A  2.5W (Ta)  Surface Mount  Surface Mount  8-DFN (3x2)  8-SMD, Flat Lead	Vgs(th) (Max) @ Id	850mV @ 250μA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)2.5W (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN (3x2)Package / Case8-SMD, Flat Lead	Gate Charge (Qg) (Max) @ Vgs	23nC @ 4.5V
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Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-DFN (3x2)  Package / Case  8-SMD, Flat Lead	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs20 mOhm @ 9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN (3x2)Package / Case8-SMD, Flat Lead	FET Feature	-
Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN (3x2)Package / Case8-SMD, Flat Lead	Power Dissipation (Max)	2.5W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-DFN (3x2) Package / Case 8-SMD, Flat Lead	Rds On (Max) @ Id, Vgs	20 mOhm @ 9A, 4.5V
Supplier Device Package 8-DFN (3x2) Package / Case 8-SMD, Flat Lead	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-SMD, Flat Lead	Mounting Type	Surface Mount
	Supplier Device Package	8-DFN (3x2)
Report errors?	Package / Case	8-SMD, Flat Lead
		Report errors?

## AON4407L\_002 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.

### AON4407L\_002 Payment Methods



















## AON4407L\_002 Shipping Methods













If you have any question about AON4407L\_002, please do not hesitate to contact us!

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