

**AOI4146 Information**


For Reference Only

**Part Number** [AOI4146](#)  
**Manufacturer** Alpha & Omega Semiconductor Inc.  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 30V 15A TO251A  
**Package** TO-251-3 Stub Leads, IPak  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**AOI4146 Specifications**

Manufacturer Part Number	<a href="#">AOI4146</a>
Manufacturer	Alpha & Omega Semiconductor Inc.
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	TO-251-3 Stub Leads, IPak
Series	SDMOS?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	30V
Current - Continuous Drain (Id) @ 25°C	15A (Ta), 55A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	3V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	42nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	2440pF @ 15V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	2.5W (Ta), 62W (Tc)
Rds On (Max) @ Id, Vgs	5.6 mOhm @ 20A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-251A
Package / Case	TO-251-3 Stub Leads, IPak

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## AOI4146 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.

## AOI4146 Payment Methods



## AOI4146 Shipping Methods



If you have any question about AOI4146, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)