

AOI5N40 Information



For Reference Only

Part Number [AOI5N40](#)
Manufacturer Alpha & Omega Semiconductor Inc.
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 400V 4.2A 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



[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.



AOI5N40 Specifications

Manufacturer Part Number	AOI5N40
Manufacturer	Alpha & Omega Semiconductor Inc.
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-251-3 Stub Leads, IPak
Series	-
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V _{dss})	400V
Current - Continuous Drain (I _d) @ 25°C	4.2A (T _c)
Drive Voltage (Max R _{ds} On, Min R _{ds} On)	10V
V _{gs} (th) (Max) @ I _d	4.5V @ 250μA
Gate Charge (Q _g) (Max) @ V _{gs}	8.5nC @ 10V
Input Capacitance (C _{iss}) (Max) @ V _{ds}	400pF @ 25V
V _{gs} (Max)	±30V
FET Feature	-
Power Dissipation (Max)	78W (T _c)
R _{ds} On (Max) @ I _d , V _{gs}	1.6 Ohm @ 1A, 10V
Operating Temperature	-50°C ~ 150°C (T _J)
Mounting Type	Through Hole
Supplier Device Package	TO-251A
Package / Case	TO-251-3 Stub Leads, IPak

[Report errors?](#)

AOI5N40 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.

AOI5N40 Payment Methods



AOI5N40 Shipping Methods



If you have any question about AOI5N40, please do not hesitate to contact us!

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

E-mail: salesdept@heisener.com