

AOB442

AOB442 Information

www.heisener.com	Part Number Manufacturer Category Description Package	AOB442 Alpha & Omega Semiconductor Inc. Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single MOSFET N-CH 40V 21A TO263 TO-263-3, D2Pak (2 Leads + Tab), TO-263AB For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

Certified Quality

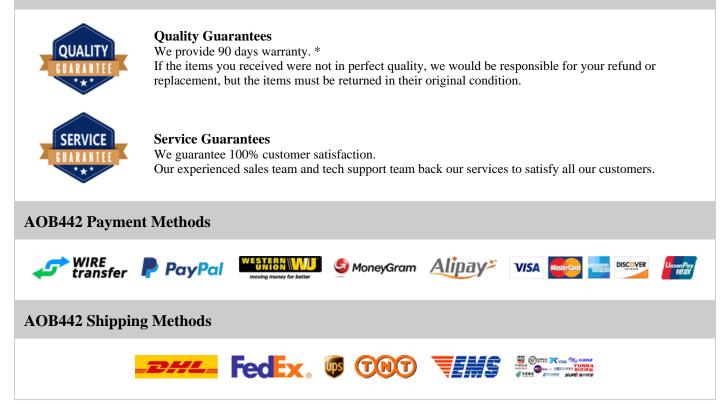
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



AOB442 Specifications

Manufacturer Part Number	AOB442		
Manufacturer	Alpha & Omega Semiconductor Inc.		
Category	Discrete Semiconductor Products		
	Transistors - FETs, MOSFETs - Single		
Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
Series	SDMOS?		
FET Type	N-Channel		
Technology	MOSFET (Metal Oxide)		
Drain to Source Voltage (Vdss)	40V		
Current - Continuous Drain (Id) @ 25°C	21A (Ta), 105A (Tc)		
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V		
Vgs(th) (Max) @ Id	2.3V @ 250µA		
Gate Charge (Qg) (Max) @ Vgs	90nC @ 10V		
Input Capacitance (Ciss) (Max) @ Vds	5600pF @ 20V		
Vgs (Max)	±20V		
FET Feature	-		
Power Dissipation (Max)	3.5W (Ta), 150W (Tc)		
Rds On (Max) @ Id, Vgs	4.2 mOhm @ 20A, 10V		
Operating Temperature	-55°C ~ 175°C (TJ)		
Mounting Type	Surface Mount		
Supplier Device Package	TO-263 (D2Pak)		
Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
	Report errors		

AOB442 Guarantees



If you have any question about AOB442, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com