

AON6590

AON6590 Information



Part Number	AON6590	
Manufacturer	Alpha & Omega Semiconductor Inc.	
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single	
Description	MOSFET N-CH	
Package	8-PowerSMD, Flat Leads	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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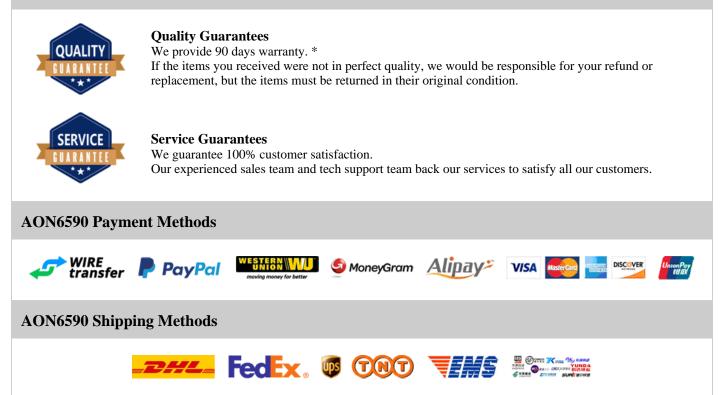
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



AON6590 Specifications

Manufacturer Part Number	AON6590
Manufacturer	Alpha & Omega Semiconductor Inc.
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	8-PowerSMD, Flat Leads
Series	-
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	40V
Current - Continuous Drain (Id) @ 25°C	67A (Ta), 100A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	2.3V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	100nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	8320pF @ 20V
Vgs (Max)	$\pm 20\mathrm{V}$
FET Feature	-
Power Dissipation (Max)	7.3W (Ta), 208W (Tc)
Rds On (Max) @ Id, Vgs	0.99 mOhm @ 20A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	8-DFN (5x6)
Package / Case	8-PowerSMD, Flat Leads
	Report errors?

AON6590 Guarantees



If you have any question about AON6590, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com