

AON6230 Information



For Reference Only

Part Number AON6230

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

Description MOSFET N-CH 40V 57.5A 8DFN

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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AON6230 Specifications

Manufacturer Part Number AON6230 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 57.5A (Ta), 85A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 114nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6050pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 7.4W (Ta), 104W (Tc) Rds On (Max) @ Id, Vgs 1.44 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		
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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 57.5A (Ta), 85A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 114nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6050pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 7.4W (Ta), 104W (Tc) Rds On (Max) @ Id, Vgs 1.44 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	Manufacturer	Alpha & Omega Semiconductor Inc.
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 57.5A (Ta), 85A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 114nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6050pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 7.4W (Ta), 104W (Tc) Rds On (Max) @ Id, Vgs 1.44 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	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 57.5A (Ta), 85A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 114nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6050pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 7.4W (Ta), 104W (Tc) Rds On (Max) @ Id, Vgs 1.44 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		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 57.5A (Ta), 85A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 114nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.44 mOhm @ 20A, 10V Operating Temperature Supplier Device Package Package / Case N-Channel MOSFET (Metal Oxide) 4.0V 60V 57.5A (Ta), 85A (Tc) 67.4V (Ta), 85A (Tc) 67.4V (Ta), 85A (Tc) 7.4V (Ta), 10V 7.4V (Ta) (Ta) 8.4 mOhm @ 20A, 10V 7.4V (Ta) 8.4 mOhm @ 20A, 10V 7.4V (Ta) 8.4 mOhm @ 20A, 10V 7.4V (Ta) 8.4 mOhm @ 20A, 10V 9.55°C ~ 150°C (TI) 8.5 mOhn (Ta)	Package	8-PowerSMD, Flat Leads
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 57.5A (Ta), 85A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.44 mOhm @ 20A, 10V Operating Temperature Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 4.0V MOSFET (Metal Oxide) 4.0V 57.5A (Ta), 85A (Tc)	Series	-
Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C57.5A (Ta), 85A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.3V @ 250μAGate Charge (Qg) (Max) @ Vgs114nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6050pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)7.4W (Ta), 104W (Tc)Rds On (Max) @ Id, Vgs1.44 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN (5x6)Package / Case8-PowerSMD, Flat Leads	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 114nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6050pF @ 20V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.44 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-PowerSMD, Flat Leads	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.3V @ 250μAGate Charge (Qg) (Max) @ Vgs114nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6050pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)7.4W (Ta), 104W (Tc)Rds On (Max) @ Id, Vgs1.44 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN (5x6)Package / Case8-PowerSMD, Flat Leads	Drain to Source Voltage (Vdss)	40V
Vgs(th) (Max) @ Id 2.3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 114nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6050pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 7.4W (Ta), 104W (Tc) Rds On (Max) @ Id, Vgs 1.44 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	Current - Continuous Drain (Id) @ 25°C	57.5A (Ta), 85A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 6050pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.44 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	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.44 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	Vgs(th) (Max) @ Id	2.3V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)7.4W (Ta), 104W (Tc)Rds On (Max) @ Id, Vgs1.44 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN (5x6)Package / Case8-PowerSMD, Flat Leads	Gate Charge (Qg) (Max) @ Vgs	114nC @ 10V
FET Feature - Power Dissipation (Max) 7.4W (Ta), 104W (Tc) Rds On (Max) @ Id, Vgs 1.44 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	Input Capacitance (Ciss) (Max) @ Vds	6050pF @ 20V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.44 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	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs1.44 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN (5x6)Package / Case8-PowerSMD, Flat Leads	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-DFN (5x6) Package / Case 8-PowerSMD, Flat Leads	Power Dissipation (Max)	7.4W (Ta), 104W (Tc)
Mounting Type Surface Mount Supplier Device Package 8-DFN (5x6) Package / Case 8-PowerSMD, Flat Leads	Rds On (Max) @ Id, Vgs	1.44 mOhm @ 20A, 10V
Supplier Device Package 8-DFN (5x6) Package / Case 8-PowerSMD, Flat Leads	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-PowerSMD, Flat Leads	Mounting Type	Surface Mount
	Supplier Device Package	8-DFN (5x6)
Report errors?	Package / Case	8-PowerSMD, Flat Leads
		Report errors?

AON6230 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.

AON6230 Payment Methods



















AON6230 Shipping Methods













If you have any question about AON6230, please do not hesitate to contact us!

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