



AOD442

Manufacturer Part Number:	AOD442
Manufacturer / Brand	Alpha and Omega Semiconductor, Inc.
Part of Description:	MOSFET N-CH 60V 38A TO-252
Datasheets:	AOD442(1).pdf AOD442(2).pdf
Lead Free Status / RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	New original, 53600 pcs Stock Available.
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS

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The specifications of AOD442

Part Number	AOD442	Manufacturer / Brand	Alpha and Omega Semiconductor, Inc.
Series	-	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Packaging	Original-Reel®
Mounting Type	Surface Mount	Supplier Device Package	TO-252, (D-Pak)
Operating Temperature	-55°C ~ 175°C (TJ)	Detailed Description	N-Channel 60V 7A (Ta), 37A (Tc) 2.1W (Ta), 60W (Tc) Surface Mount TO-252, (D-Pak)
Technology	MOSFET (Metal Oxide)	Power Dissipation (Max)	2.1W (Ta), 60W (Tc)
FET Type	N-Channel	FET Feature	-
Drain to Source Voltage (Vdss)	60V	Current - Continuous Drain (Id) @ 25°C	7A (Ta), 37A (Tc)
Rds On (Max) @ Id, Vgs	20 mOhm @ 20A, 10V	Vgs(th) (Max) @ Id	2.7V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	68nC @ 10V	Input Capacitance (Ciss) (Max) @ Vds	2300pF @ 30V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	Vgs (Max)	±20V
Other Names	785-1107-6	Stock Quantity	53600 pcs Stock
Category	Discrete Semiconductor Products > Transistors - FETs, MOSFETs - Single Description		MOSFET N-CH 60V 38A TO-252
Lead Free Status / RoHS Status	Lead free / RoHS Compliant		

Keywords related to AOD442

Alpha and Omega Semiconductor, Inc. AOD442	AOD442 part	AOD442 Price	AOD442 Distributor
AOD442 Technical	AOD442 Stock	AOD442 Inventory	AOD442 Supplier
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You May Be Also Be interested In:

 AOD4454 Description: MOSFET N-CH 150V 3A TO252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 40000 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD422 Description: AOD422 AOS TO-252 Manufacturers: AOS In Stock: New original, 21000 pcs Stock Available. Quote: <input type="text"/> RFQ	 AOD421 Description: MOSFET P-CH 20V 12.5A TO252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 22800 pcs Stock Available. Quote: <input type="text"/> RFQ
 AOD418G Description: MOSFET N-CH 30V DPAK Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 24000 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD425A Description: AOD425A AOS TO-252 Manufacturers: AOS In Stock: New original, 18700 pcs Stock Available. Quote: <input type="text"/> RFQ	 AOD423 Description: MOSFET P-CH 30V 15A Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 50000 pcs Stock Available. Quote: <input type="text"/> RFQ
 AOD444 Description: MOSFET N-CH 60V 12A TO-252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 150000 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD418A Description: AOD418A AOS TO-252 Manufacturers: AOS In Stock: New original, 2500 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD448 Description: AOD448 AO SOT252 Manufacturers: AO In Stock: New original, 44400 pcs Stock Available. Quote: <input type="text"/> RFQ
 AOD4186 Description: MOSFET N-CH 40V 10A TO252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 22400 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD4191L Description: AOD4191L VB TO-252 Manufacturers: VB In Stock: New original, 10000 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD442G Description: AOD442G QQ2850920316 TO-252 Manufacturers: QQ2850920316 In Stock: New original, 15100 pcs Stock Available. Quote: <input type="text"/> RFQ
IMAGE NOT AVAILABLE AOD452L Description: AOD452L AOS TO-252 Manufacturers: AOS In Stock: New original, 10000 pcs Stock Available. Quote: <input type="text"/> RFQ	 AOD424 Description: MOSFET N-CH 20V 18A TO252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 18500 pcs Stock Available. Quote: <input type="text"/> RFQ	 AOD454A Description: MOSFET N-CH 40V 20A TO252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 22800 pcs Stock Available. Quote: <input type="text"/> RFQ
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 AOD4504 Description: MOSFET N-CH 200V 6A TO252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 27000 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD452A Description: AOD452A VB TO-252 Manufacturers: VB In Stock: New original, 22800 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD4468 Description: AOD4468 AOS TO-252 Manufacturers: AOS In Stock: New original, 200 pcs Stock Available. Quote: <input type="text"/> RFQ
IMAGE NOT AVAILABLE AOD420 Description: AOD420 AOS TO252 Manufacturers: AOS In Stock: New original, 50000 pcs Stock Available. Quote: <input type="text"/> RFQ	 AOD452 Description: MOSFET N-CH 25V 55A TO-252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 11100 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD424G Description: AOD424G QQ2850920316 TO-252 Manufacturers: QQ2850920316 In Stock: New original, 15100 pcs Stock Available. Quote: <input type="text"/> RFQ
 AOD450 Description: MOSFET N-CH 200V 3.8A TO252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 20000 pcs Stock Available. Quote: <input type="text"/> RFQ	IMAGE NOT AVAILABLE AOD452A AOD452 Description: AOD452A AOD452 AO/ SOT-252 Manufacturers: AO/ In Stock: New original, 6000 pcs Stock Available. Quote: <input type="text"/> RFQ	 AOD4189 Description: MOSFET P-CH 40V 40A TO252 Manufacturers: Alpha and Omega Semiconductor, Inc. In Stock: New original, 17600 pcs Stock Available. Quote: <input type="text"/> RFQ



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