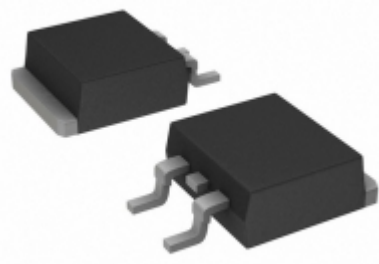



AOB14N50







**Part Number:** [AOB14N50](#)

**Manufacturer** [Alpha and Omega Semiconductor, Inc.](#)

**Description** MOSFET N-CH 500V 14A D2PAK

**Data sheet:**  [AO\(T,B,TF\)14N50](#)  
 [TO263 \(D2PAK\) Pkg Drawing](#)

**RoHs Status:** Lead free / RoHS Compliant





















**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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PRODUCT PARAMETER	
Part Number	<a href="#">AOB14N50</a>
Manufacturer	<a href="#">Alpha and Omega Semiconductor, Inc.</a>
Description	MOSFET N-CH 500V 14A D2PAK
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	54477 pcs
Product Photo	<a href="#">AOB14N50.jpg</a>
Category	<a href="#">Discrete Semiconductor Products</a>
Vgs(th) (Max) @ Id	4.5V @ 250μA
Vgs (Max)	±30V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	TO-263 (D²Pak)
Series	-
Rds On (Max) @ Id, Vgs	380 mOhm @ 7A, 10V
Power Dissipation (Max)	278W (Tc)
Packaging	Original-Reel®
Package / Case	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Other Names	785-1178-6
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Input Capacitance (Ciss) (Max) @ Vds	2297pF @ 25V
Gate Charge (Qg) (Max) @ Vgs	51nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	500V
Detailed Description	N-Channel 500V 14A (Tc) 278W (Tc) Surface Mount TO-263 (D²Pak)
Current - Continuous Drain (Id) @ 25°C	14A (Tc)
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	<div><div>Part#: <a href="#">AOB190A60L</a></div><div>Description: MOSFET N-CH 600B TO-263</div></div> <div><div>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a></div><div>In Stock: 61241</div></div> <div><a href="#">RFQ</a></div>
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	<div><div>Part#: <a href="#">AOB15S60L</a></div><div>Description: MOSFET N-CH 600V 15A D2PAK</div></div> <div><div>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a></div><div>In Stock: 59575</div></div> <div><a href="#">RFQ</a></div>
	<div><div>Part#: <a href="#">AOB12N60FDL</a></div><div>Description: MOSFET N-CH 600V 12A TO263</div></div> <div><div>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a></div><div>In Stock: 5469</div></div> <div><a href="#">RFQ</a></div>
	<div><div>Part#: <a href="#">AOB1404L</a></div><div>Description: MOSFET N-CH 40V 15A TO263</div></div> <div><div>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a></div><div>In Stock: 88956</div></div> <div><a href="#">RFQ</a></div>
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	<div><div>Part#: <a href="#">AOB11N60L</a></div><div>Description: MOSFET N-CH 600V 11A TO263</div></div> <div><div>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a></div><div>In Stock: 5588</div></div> <div><a href="#">RFQ</a></div>
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