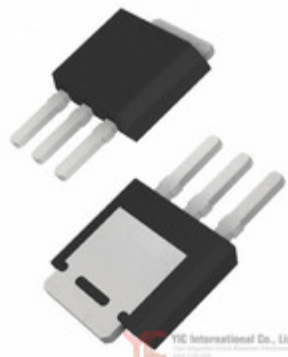

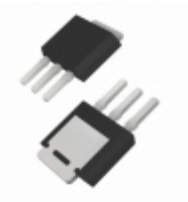


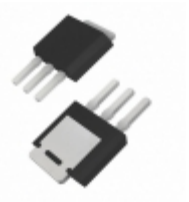
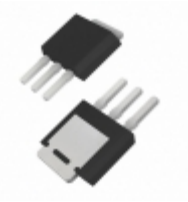
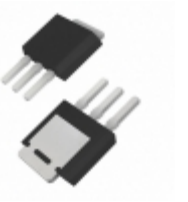
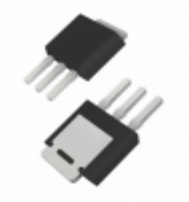
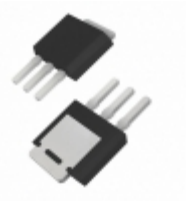
	<h2 style="color: #E67E22;">AOI510</h2>	
	<b>Manufacturer Part Number:</b>	<a href="#">AOI510</a>
	<b>Manufacturer/Brand:</b>	<a href="#">Alpha and Omega Semiconductor, Inc.</a>
	<b>Part of Description:</b>	MOSFET N-CH 30V 70A TO251A
<p>Image may be representation. See specs for product details.</p>	<b>Datasheets:</b>	<a href="#">1.AOI510.pdf</a> <a href="#">2.AOI510.pdf</a>
	<b>RoHs Status:</b>	 Lead free / RoHS
	<b>Stock Condition:</b>	Compliant New original, 34427 pcs Stock Available.
	<b>Ship From:</b>	Hong Kong
	<b>Shipment Way:</b>	DHL/Fedex/TNT/UPS/EMS

### Specifications

Part Number	AOI510
Manufacturer	Alpha and Omega Semiconductor, Inc.
Description	MOSFET N-CH 30V 70A TO251A
Category	<a href="#">Discrete Semiconductor Products</a> > <a href="#">Transistors - FETs</a> ,
Part Status	34427 pcs Stock
Vgs(th) (Max) @ Id	2.2V @ 250µA
Technology	MOSFET (Metal Oxide)
Supplier Device Package	TO-251A
Series	-
Rds On (Max) @ Id, Vgs	2.6 mOhm @ 20A, 10V
Power Dissipation (Max)	7.5W (Ta), 60W (Tc)
Packaging	Tape & Reel (TR)
Package / Case	TO-251-3 Stub Leads, IPak
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole
Input Capacitance (Ciss) (Max) @ Vds	2719pF @ 15V
Gate Charge (Qg) (Max) @ Vgs	60nC @ 10V
FET Type	N-Channel
FET Feature	-
Drain to Source Voltage (Vdss)	30V
Current - Continuous Drain (Id) @ 25°C	45A (Ta), 70A (Tc)

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 <p><b>AOI4T60</b> Alpha &amp; Omega Semiconductor Inc. MOSFET N-CH 600V 4A TO251A</p>	 <p><b>AOI516_002</b> Alpha &amp; Omega Semiconductor Inc. MOSFET N-CH 30V 18A</p>	 <p><b>AOI508</b> Alpha &amp; Omega Semiconductor Inc. MOSFET N-CH 30V 70A TO251A</p>	 <p><b>AOI516</b> Alpha &amp; Omega Semiconductor Inc. MOSFET N-CH 30V 17A TO251A</p>

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