



AOI518

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| Manufacturer Part Number: | AOI518 |
| Manufacturer / Brand | Alpha and Omega Semiconductor, Inc. |
| Part of Description: | MOSFET N-CH 30V 15A TO251A |
| Datasheets: | AOI518(1).pdf AOI518(2).pdf |
| Lead Free Status / RoHS Status: | Lead free / RoHS Compliant |
| Stock Condition: | New original, 24100 pcs Stock Available. |
| Ship From: | Hong Kong |
| Shipment Way: | DHL/Fedex/TNT/UPS |

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AOI518 100% New Original 24100pcs in Stock, Find AOI518 Price, Stock, datasheet at IC Components Ltd Online, buy AOI518 Alpha and Omega Semiconductor, Inc. with warrantied. 100% guarantee confidence. RFQ AOI518: Info@IC-Components.com

The specifications of AOI518

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|--|--|--|---|
| Part Number | AOI518 | Manufacturer / Brand | Alpha and Omega Semiconductor, Inc. |
| Series | - | Moisture Sensitivity Level (MSL) | 1 (Unlimited) |
| Package / Case | TO-251-3 Stub Leads, IPak | Packaging | Tube |
| Mounting Type | Through Hole | Supplier Device Package | TO-251A |
| Operating Temperature | -55°C ~ 175°C (TJ) | Detailed Description | N-Channel 30V 18A (Ta), 46A (Tc) 2.5W (Ta), 50W (Tc) Through Hole TO-251A |
| Technology | MOSFET (Metal Oxide) | Power Dissipation (Max) | 2.5W (Ta), 50W (Tc) |
| FET Type | N-Channel | FET Feature | - |
| Drain to Source Voltage (Vdss) | 30V | Current - Continuous Drain (Id) @ 25°C | 18A (Ta), 46A (Tc) |
| Rds On (Max) @ Id, Vgs | 8 mOhm @ 20A, 10V | Vgs(th) (Max) @ Id | 2.6V @ 250µA |
| Gate Charge (Qg) (Max) @ Vgs | 22.5nC @ 10V | Input Capacitance (Ciss) (Max) @ Vds | 951pF @ 15V |
| Drive Voltage (Max Rds On, Min Rds On) | 4.5V, 10V | Vgs (Max) | ±20V |
| Other Names | 785-1569-5 AOI518-ND | Stock Quantity | 24100 pcs Stock |
| Category | Discrete Semiconductor Products > Transistors - FETs, MOSFETs - Single | | Description MOSFET N-CH 30V 15A TO251A |
| Lead Free Status / RoHS Status | Lead free / RoHS Compliant | | |

Keywords related to AOI518

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| Alpha and Omega Semiconductor, Inc. AOI518 | AOI518 part | AOI518 Price | AOI518 Distributor |
| AOI518 Technical | AOI518 Stock | AOI518 Inventory | AOI518 Supplier |
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