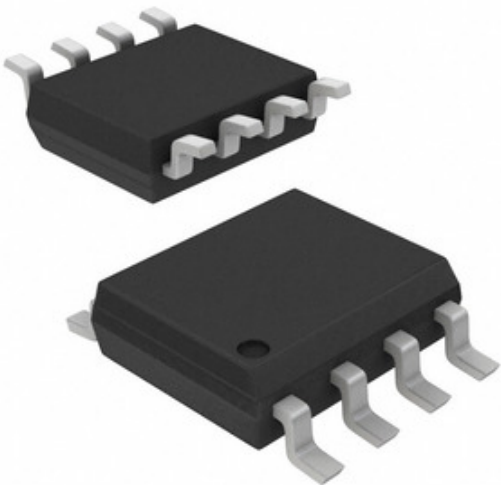




Alpha and Omega Semiconductor, Inc.

Inc.



AOZ1312AI-1

|                     |                                                                                       |
|---------------------|---------------------------------------------------------------------------------------|
| Part Number:        | AOZ1312AI-1                                                                           |
| Manufacturer/Brand: | Alpha and Omega Semiconductor, Inc.                                                   |
| Product description | IC PWR DIST SW USB 1CH 8SOIC                                                          |
| Datasheets:         | <div><div>PDF</div>1.AOZ1312AI-1.pdf</div> <div><div>PDF</div>2.AOZ1312AI-1.pdf</div> |
| RoHs Status         | <div><div>RoHS</div>Lead free / RoHS Compliant</div>                                  |
| Stock Condition     | 448580 pcs stock                                                                      |
| Ship From           | Hong Kong                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                 |

REQUEST FOR QUOTATION

Specifications of AOZ1312AI-1

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | AOZ1312AI-1                                                                           |
| MANUFACTURER                     | Alpha and Omega Semiconductor, Inc.                                                   |
| DESCRIPTION                      | IC PWR DIST SW USB 1CH 8SOIC                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| QUANTITY AVAILABLE               | 448580 pcs                                                                            |
| DATA SHEET                       | <div><div>PDF</div>1.AOZ1312AI-1.pdf</div> <div><div>PDF</div>2.AOZ1312AI-1.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | Not Required                                                                          |
| VOLTAGE - LOAD                   | 2.7 V ~ 5.5 V                                                                         |
| SWITCH TYPE                      | USB Switch                                                                            |
| SUPPLIER DEVICE PACKAGE          | 8-SOIC                                                                                |
| SERIES                           | -                                                                                     |
| RDS ON (TYP)                     | 70 mOhm                                                                               |
| RATIO - INPUT:OUTPUT             | 1:1                                                                                   |
| PACKAGING                        | Tape & Reel (TR)                                                                      |
| PACKAGE / CASE                   | 8-SOIC (0.154", 3.90mm Width)                                                         |
| OUTPUT TYPE                      | N-Channel                                                                             |
| OUTPUT CONFIGURATION             | High Side                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TJ)                                                                    |
| NUMBER OF OUTPUTS                | 1                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| INTERFACE                        | On/Off                                                                                |
| INPUT TYPE                       | Non-Inverting                                                                         |
| FEATURES                         | Status Flag                                                                           |
| FAULT PROTECTION                 | Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO                     |
| CURRENT - OUTPUT (MAX)           | 1.5A                                                                                  |

Related Tags

|                                                 |                                                 |                                                     |
|-------------------------------------------------|-------------------------------------------------|-----------------------------------------------------|
| Alpha and Omega Semiconductor, Inc. AOZ1312AI-1 | AOZ1312AI-1 Distributor                         | AOZ1312AI-1 Supplier                                |
| AOZ1312AI-1 Price                               | AOZ1312AI-1 Pictures                            | AOZ1312AI-1 Image                                   |
| AOZ1312AI-1 PDF Datasheet                       | AOZ1312AI-1 Download Datasheet                  | AOZ1312AI-1 Datasheet                               |
| AOZ1312AI-1 Stock                               | Buy AOZ1312AI-1                                 | Buy Alpha and Omega Semiconductor, Inc. AOZ1312AI-1 |
| Alpha and Omega Semiconductor, Inc. AOZ1312AI-1 | Alpha and Omega Semiconductor, Inc. Supplier    | Alpha and Omega Semiconductor, Inc. Distributor     |
| Alpha and Omega Semiconductor, Inc. AOZ1312AI-1 | Alpha and Omega Semiconductor, Inc. AOZ1312AI-1 | Alpha & Omega Semiconductor AOZ1312AI-1             |
| Alpha & Omega Semiconductor Inc. AOZ1312AI-1    |                                                 |                                                     |

Related Products

|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div></div><div><b>AOZ1300AI</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC PROG 4A PWR DIST SWITCH 8SOIC<br/>In stock: 3755 pcs</div><div>RFQ</div></div>   | <div><div></div><div><b>AOZ1284PI-1_2</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC REGULATOR BUCK SOIC<br/>In stock: 4790 pcs</div><div>RFQ</div></div>         |
| <div><div></div><div><b>AOZ1284PI-1</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC REG BUCK ADJ 4A 8SO<br/>In stock: 6636 pcs</div><div>RFQ</div></div>           | <div><div></div><div><b>AOZ1284PI</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC REG BUCK ADJ 4A 8SO<br/>In stock: 172774 pcs</div><div>RFQ</div></div>           |
| <div><div></div><div><b>AOZ1312EI-1</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC PWR DIST SW USB 1CH 8MSOP<br/>In stock: 307890 pcs</div><div>RFQ</div></div>   | <div><div></div><div><b>AOZ1320CI-02</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC POWER DIST LOAD SW SOT23-6<br/>In stock: 478814 pcs</div><div>RFQ</div></div> |
| <div><div></div><div><b>AOZ1320CI-01</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC POWER DIST LOAD SW SOT23-6<br/>In stock: 404687 pcs</div><div>RFQ</div></div> | <div><div></div><div><b>AOZ1320CI-03</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC POWER DIST LOAD SW SOT23-6<br/>In stock: 478629 pcs</div><div>RFQ</div></div> |
| <div><div></div><div><b>AOZ1320CI-05</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC POWER DIST LOAD SW SOT23-6<br/>In stock: 498990 pcs</div><div>RFQ</div></div> | <div><div></div><div><b>AOZ1320CI-04</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC POWER DIST LOAD SW SOT23-6<br/>In stock: 413041 pcs</div><div>RFQ</div></div> |
| <div><div></div><div><b>AOZ1310CI-1</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC PWR DIST SW USB 1CH SOT23-5<br/>In stock: 424695 pcs</div><div>RFQ</div></div> | <div><div></div><div><b>AOZ1283PI</b><br/>Manufacturers: Alpha and Omega Semiconductor, Inc.<br/>Description: IC REG BUCK ADJ 2.5A 8SO<br/>In stock: 278948 pcs</div><div>RFQ</div></div>         |