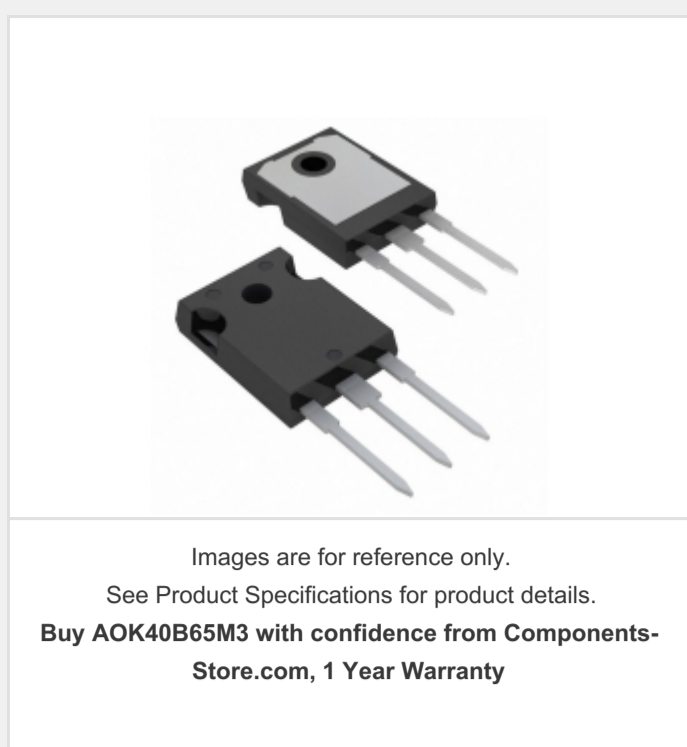


## AOK40B65M3



**Part Number:** [AOK40B65M3](#)  
**Manufacturer:** [Alpha and Omega Semiconductor, Inc.](#)  
**Description:** IGBT 650V 40A TO247  
**Data sheet:** [PDF AOK40B65M3](#)  
[PDF TO247 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="#">AOK40B65M3</a>                          |
| Manufacturer                                | <a href="#">Alpha and Omega Semiconductor, Inc.</a> |
| Description                                 | IGBT 650V 40A TO247                                 |
| Lead Free Status / RoHS Status              | Lead free / RoHS Compliant                          |
| Quantity Available                          | 61978 pcs   |
| Product Photo                               | <a href="#">AOK40B65M3.jpg</a>                      |
| Category                                    | <a href="#">Discrete Semiconductor Products</a>     |
| Voltage - Collector Emitter Breakdown (Max) | 650V  |
| Vce(on) (Max) @ Vge, Ic                     | 2.45V @ 15V, 40A                                    |
| Test Condition                              | 400V, 40A, 7.5 Ohm, 15V                             |
| Td (on/off) @ 25°C                          | 40ns/125ns  |
| Switching Energy                            | 1.3mJ (on), 500µJ (off)                             |
| Supplier Device Package                     | TO-247  |
| Series                                      | Alpha IGBT™   |
| Reverse Recovery Time (trr)                 | 365ns   |
| Power - Max                                 | 300W  |
| Packaging                                   | Tube  |
| Package / Case                              | TO-247-3  |
| Other Names                                 | 785-1755  |
| Operating Temperature                       | -55°C ~ 175°C (TJ)                                  |
| Mounting Type                               | Through Hole  |
| Moisture Sensitivity Level (MSL)            | 1 (Unlimited)                                       |
| Lead Free Status / RoHS Status              | Lead free / RoHS Compliant                          |
| Input Type                                  | Standard  |
| IGBT Type                                   | -   |
| Gate Charge                                 | 59nC  |
| Detailed Description                        | IGBT 650V 80A 300W Through Hole TO-247              |
| Current - Collector Pulsed (Icm)            | 120A  |
| Current - Collector (Ic) (Max)              | 80A   |

Components-Store.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Alpha and Omega Semiconductor, Inc. series electronic components. We have 61978 pieces of Alpha and Omega Semiconductor, Inc. AOK40B65M3 in stock available now. Request a quote from electronics components distributor at Components-Store.com, our sales team will contact you within 24 hours.  
 RFQ Email: [info@Components-Store.com](mailto:info@Components-Store.com)

| RELATED PRODUCTS |   |
|------------------|---|
|                  | Part#: <a href="#">AOK30B135W1</a><br>Description: IGBT 1350V 30A 170W TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 53463 <a href="#">RFQ</a> |
|                  | Part#: <a href="#">AOK30B60D</a><br>Description: IGBT 600V 60A 208W TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 31003 <a href="#">RFQ</a>    |
|                  | Part#: <a href="#">AOK40B65H2AL</a><br>Description: IGBT 650V 40A TO-247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 46719 <a href="#">RFQ</a>     |
|                  | Part#: <a href="#">AOK40B65H1</a><br>Description: IGBT 650V 40A TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 25530 <a href="#">RFQ</a>        |
|                  | Part#: <a href="#">AOK40B120M1</a><br>Description: IGBT 1200V 40A TO-247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 21247 <a href="#">RFQ</a>     |
|                  | Part#: <a href="#">AOK50B65H1</a><br>Description: IGBT 650V 50A TO-247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 31503 <a href="#">RFQ</a>       |
|                  | Part#: <a href="#">AOK50B60D1</a><br>Description: IGBT 600V 100A 312W TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 26015 <a href="#">RFQ</a>  |
|                  | Part#: <a href="#">AOK40N30L</a><br>Description: MOSFET N-CH 300V 40A TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 45627 <a href="#">RFQ</a>  |
|                  | Part#: <a href="#">AOK40B60D1</a><br>Description: IGBT 600V 80A 278W TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 54905 <a href="#">RFQ</a>   |
|                  | Part#: <a href="#">AOK30B135D2</a><br>Description: IGBT 1350V 30A TO-247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 34802 <a href="#">RFQ</a>     |
|                  | Part#: <a href="#">AOK5N100L</a><br>Description: MOSFET N-CH 1000V 4A TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 45605 <a href="#">RFQ</a>  |
|                  | Part#: <a href="#">AOK42S60L</a><br>Description: MOSFET N-CH 600V 39A TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 33089 <a href="#">RFQ</a>  |
|                  | Part#: <a href="#">AOK40B60D</a><br>Description: IGBT 600V 80A 312.5W TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 21164 <a href="#">RFQ</a>  |
|                  | Part#: <a href="#">AOK53S60L</a><br>Description: MOSFET N-CH 600V 53A TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 13162 <a href="#">RFQ</a>  |
|                  | Part#: <a href="#">AOK53S60</a><br>Description: MOSFET N-CH<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 16103 <a href="#">RFQ</a>                  |
|                  | Part#: <a href="#">AOK30B60D1</a><br>Description: IGBT 600V 60A 208W TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 35784 <a href="#">RFQ</a>   |
|                  | Part#: <a href="#">AOK60B60D1</a><br>Description: IGBT 600V 120A 417W TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 19788 <a href="#">RFQ</a>  |
|                  | Part#: <a href="#">AOK5N100</a><br>Description: MOSFET N-CH 1000V 4A TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 48909 <a href="#">RFQ</a>   |
|                  | Part#: <a href="#">AOK50B65M2</a><br>Description: IGBT 650V 50A TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 39832 <a href="#">RFQ</a>        |
|                  | Part#: <a href="#">AOK30B65M2</a><br>Description: IGBT 650V 30A TO247<br>Manufacturers: <a href="#">Alpha and Omega Semiconductor, Inc.</a><br>In Stock: 47045 <a href="#">RFQ</a>        |

Related keywords for **AOK40B65M3**

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