




# IDW100E60

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <b>IDW100E60</b>   |
| Manufacturer             | <b>Infineon Technologies</b>   |
| Allelco Part Number      | 32D-IDW100E60  |
| ECAD Model               |  PCB Symbol, Footprint & 3D Model |
| Parts Description        | <b>IDW100E60 - SILICON POWER DIODE</b>   |
| Package                  | TO-247-3   |
| Data sheet               | IDW100E60.pdf  |



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IDW100E60 - Infineon Technologies. New Original in Stock. Download Linear Technology IDW100E60 datasheet/specifications on AllelcoElec.com.  
Request a quote for IDW100E60, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





IDW100E60 Tech Specifications

IDW100E60 - Infineon Technologies technical specifications, attributes, parameters

| Product Attribute                 | Attribute Value                      | Product Attribute                | Attribute Value |
|-----------------------------------|--------------------------------------|----------------------------------|-----------------|
| Manufacturer                      | Infineon Technologies                | Operating Temperature - Junction | -40°C ~ 175°C   |
| Voltage - Forward (Vf) (Max) @ If | 2 V @ 100 A                          | Mounting Type                    | Through Hole    |
| Voltage - DC Reverse (Vr) (Max)   | 600 V                                | Diode Type                       | Standard        |
| Supplier Device Package           | PG-TO247-3                           | Current - Reverse Leakage @ Vr   | 40 µA @ 600 V   |
| Speed                             | Fast Recovery =< 500ns, > 200mA (Io) | Current - Average Rectified (Io) | 150A            |
| Reverse Recovery Time (trr)       | 120 ns                               | Capacitance @ Vr, F              | -               |
| Package / Case                    | TO-247-3                             |                                  |                 |















## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IDW100E60

| Product Attribute                 |  |  |  |  |
|-----------------------------------|---|---|---|---|
| Part Number                       | IDW100E60   | IDW15E65D2  | IDW10G65C5FKSA1 D1065C5   | IDW15G120C5BFKSA1   |
| Manufacturer                      | Infineon Technologies   | Infineon Technologies   | IR  | Infineon Technologies   |
| Voltage - DC Reverse (Vr) (Max)   | 600 V   | 650 V   | -   | 1200 V  |
| Current - Reverse Leakage @ Vr    | 40 µA @ 600 V   | 40 µA @ 650 V   | -   | 62 µA @ 1200 V  |
| Diode Type                        | Standard  | -   | -   | -   |
| Capacitance @ Vr, F               | -   | -   | -   | -   |
| Speed                             | Fast Recovery =< 500ns, > 200mA (Io)  | Fast Recovery =< 500ns, > 200mA (Io)  | -   | Fast Recovery =< 500ns, > 200mA (Io)  |
| Mounting Type                     | Through Hole  | Through Hole  | -   | Through Hole  |
| Operating Temperature - Junction  | -40°C ~ 175°C   | -40°C ~ 175°C   | -   | -55°C ~ 175°C   |
| Current - Average Rectified (Io)  | 150A  | 30A   | -   | -   |
| Package / Case                    | TO-247-3  | TO-247-3  | -   | TO-247-3  |
| Supplier Device Package           | PG-TO247-3  | PG-TO247-3-1  | -   | PG-TO247-3-41   |
| Voltage - Forward (Vf) (Max) @ If | 2 V @ 100 A   | 2.3 V @ 15 A  | -   | 1.6 V @ 7.5 A   |
| Reverse Recovery Time (trr)       | 120 ns  | 47 ns   | -   | -   |

## Customers Also Interested in

### Recommended Products

|   |  |   |  |   |   |
|---|--|---|--|---|---|
|  |   |  |  |  |  |
| <b>IDW10G65C5FKSA1 D1065C5</b><br>IR  | <b>IDW15G120C5BFKSA1</b><br>Infineon Technologies<br>DIODE SCHOTKY 1200V 24A TO247-3 | <b>IDW15G120C5B</b><br>Cypress Semiconductor (Infineon Technologies)                | <b>IDW10G120C5B</b><br>Cypress Semiconductor (Infineon Technologies)                 | <b>IDW16G65C5</b><br>Cypress Semiconductor (Infineon Technologies)                    | <b>IDW10S120/D10S120</b><br>Cypress Semiconductor (Infineon Technologies)             |
|  |   |  |  |  |  |
| <b>IDW10G120C5B D1012B5</b><br>Cypress Semiconductor (Infineon Technologies)        | <b>IDW10G65C5</b><br>Cypress Semiconductor (Infineon Technologies)<br>IGBT Module    | <b>IDW100E60 D100E60</b><br>Cypress Semiconductor (Infineon Technologies)           | <b>IDW16G65C5/D1665C5</b><br>Cypress Semiconductor (Infineon Technologies)           | <b>IDW12G65C5/D1265C5</b><br>Cypress Semiconductor (Infineon Technologies)            | <b>IDW10G120C5B/D1012E</b><br>Cypress Semiconductor (Infineon Technologies)           |
|  |   |  |  |  |  |
| <b>IDW15E65D2</b><br>Infineon Technologies<br>DIODE GP 650V 30A TO247-3-1           | <b>IDW100E60/D100E60</b><br>Cypress Semiconductor (Infineon Technologies)            | <b>IDW15S120/D15S120</b><br>Cypress Semiconductor (Infineon Technologies)           | <b>IDW10S120</b><br>Cypress Semiconductor (Infineon Technologies)<br>IGBT Module     | <b>IDW100E60(D100E60)</b><br>Cypress Semiconductor (Infineon Technologies)            | <b>IDW10G65C5/D1065C5</b><br>Cypress Semiconductor (Infineon Technologies)            |

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

| Common Countries Logistic Time Reference |                |                    |
|--|----------------|--------------------|
| Region                                   | Country        | Logistic Time(Day) |
| America                                  | United States  | 5                  |
|  | Brazil         | 7                  |
| Europe                                   | Germany        | 5                  |
|  | United Kingdom | 4                  |
|  | Italy          | 5                  |
| Oceania                                  | Australia      | 6                  |
|  | New Zealand    | 7                  |
| Asia                                     | India          | 6                  |
|  | Japan          | 7                  |
| Middle East                              | Israel         | 6                  |

| DHL & FedEx Shipment Charges Reference |                      |
|--|----------------------|
| Shipment charges(KG)                   | Reference DHL(USD\$) |
| 0.00kg-1.00kg                          | USD\$60.00           |
| 1.00kg-2.00kg                          | USD\$70.00           |
| 2.00kg-3.00kg                          | USD\$80.00           |

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.

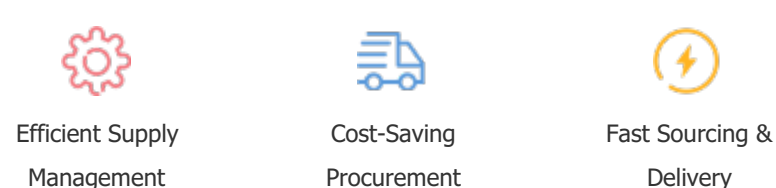
Contact us if you have any questions.

### Payment Support

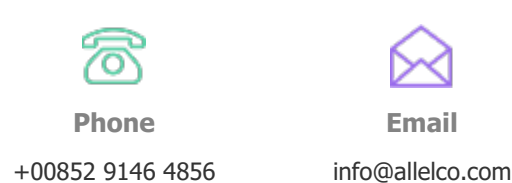
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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### Contact us

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