

# 2ED250E12-F

## Overview



### Description:

Evaluation Driver board for **1200V PrimePACK™ 2 and PrimePACK™ 3 IGBT modules** (/cms/en/product/promopages/primepack/), using a coreless transformer single-channel driver . The **IGBT module** (/cms/en/product/channel.html?channel=ff80808112ab681d0112ab69e66f0362) is to be ordered separately.

### Summary of Features:

- Plug & play solution
- Includes coreless transformer technology
- Mechanical adaption to module package

### Benefits:

- Save design time
- Enable fast evaluation of the **IGBT module** (/cms/en/product/channel.html?channel=ff80808112ab681d0112ab69e66f0362)
- Allow modifications of driver circuit easily
- Demonstrate the capabilities of driver IC with coreless transformer technology

### Target Applications:



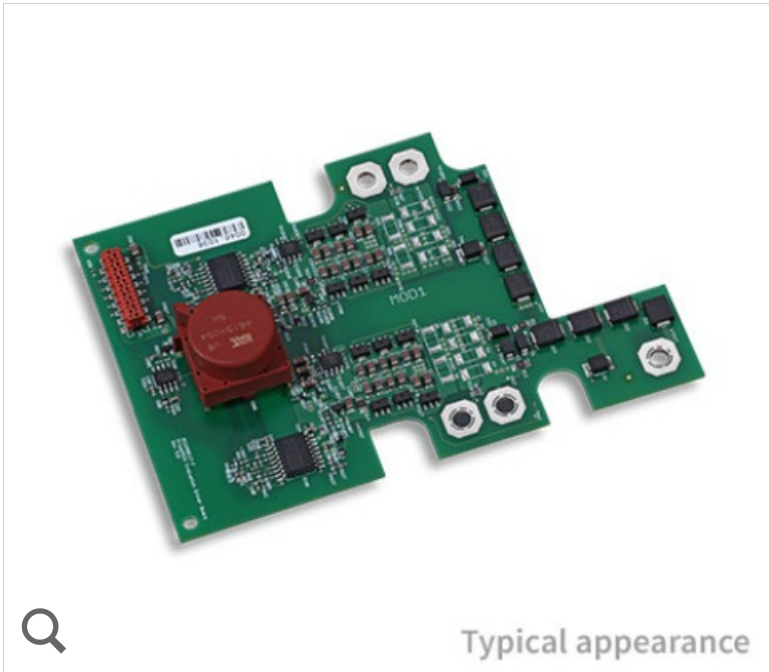
(/cms/productpage- (/cms/productpage- (/cms/productpage- (/cms/productpage- (/cms/productpage- application/drives) application/wind) application/solar) application/cav) application/ups)



This Evaluation Board is equipped with a dedicated Gate Driver IC - EiceDRIVER™ **1ED020I12-F2** (/cms/en/product/productType.html?productType=db3a304430f67fc00131036068c70785).



This Evaluation Driver Board is dedicated to be used with our **1200V PrimePACK™ chopper or dual IGBT Modules** ([/cms/en/product/promopages/primepack/](https://cms/en/product/promopages/primepack/)).



## Diagrams



## Parametrics



<b>Parametrics</b>	<b>2ED250E12-F</b>
Applications	Drives, Wind, Solar, CAV, Power Supply
Configuration	Equipped with EiceDRIVER™ 1ED020112-F For driving PrimePACK™ IGBT Modules
Description	Evaluation Driver Board for PrimePACK™ Modules (1200V)
Family	IGBT Modules Gate Driver
Input Type	DC
Product Description	Evaluation Driver Board for PrimePACK™ Modules up to 1200V using a coreless transformer single-channel driver (replaced by 1ED020112-F2).
Product Name	2ED250E12-F
Promotion of	PrimePACK™

Target Application	Industrial Motor Control & Drives ; Solar Energy Systems ; Wind Energy Systems
Topology	Half Bridge
Type	Evaluation Board

## Documents



+ Expand all

### + Product Brief



Evaluation and Adapter Boards (/dgd/Infineon-Evaluation\_and\_Adapter\_Boards-PB-v08\_00-EN.pdf?fileId=db3a304335113a6301351ee16b9e1365)

> EN (/dgd/Infineon-Evaluation\_and\_Adapter\_Boards-PB-v08\_00-EN.pdf?fileId=db3a304335113a6301351ee16b9e1365) 08\_00 | 2016-04-27 | pdf | 666 KB



IHM, IHV Modules & PrimePACK™ (/dgd/Infineon-IHM\_IHV\_Modules\_and\_PrimePACK-PB-v08\_00-EN.pdf?fileId=db3a30431689f4420116a5afc7aa03b4)

> EN (/dgd/Infineon-IHM\_IHV\_Modules\_and\_PrimePACK-PB-v08\_00-EN.pdf?fileId=db3a30431689f4420116a5afc7aa03b4) 08\_00 | 2016-04-27 | pdf | 452 KB

### + Application Notes



Evaluation Driver Board for 1200 V PrimePACK™ (/dgd/Infineon-AN2008\_05\_2ED250E12\_F\_EVAL-AN-v1.0-en.pdf?fileId=db3a30432e1525b3012e231f043f2321)

> EN (/dgd/Infineon-AN2008\_05\_2ED250E12\_F\_EVAL-AN-v1.0-en.pdf?fileId=db3a30432e1525b3012e231f043f2321) 2011-02-14 | pdf | 1 MB



Industrial IGBT Modules Explanation of Technical Information (/dgd/Infineon-AN2011\_05\_IGBT\_Modules\_Explanation-AN-v01\_02-EN.pdf?fileId=db3a304334c41e910134eb12584604e2)

> EN (/dgd/Infineon-AN2011\_05\_IGBT\_Modules\_Explanation-AN-v01\_02-EN.pdf?fileId=db3a304334c41e910134eb12584604e2)  
> JA (/dgd/Infineon-AN2011\_05\_IGBT\_Modules\_Explanation-AN-v01\_02-JA.pdf?fileId=5546d46250cc1fdf01513e8dba337ee9) 01\_02 | 2015-12-03 | pdf | 2.2 MB

### + Application Brochure



Infineon solar power solutions (/dgd/Infineon-ApplicationBrochure\_Solutions\_for\_Solar\_Energy\_Systems-ABR-v01\_00-EN.pdf?fileId=db3a30433e5a5024013e6a33393f6360)  
 > EN (/dgd/Infineon-ApplicationBrochure\_Solutions\_for\_Solar\_Energy\_Systems-ABR-v01\_00-EN.pdf?fileId=db3a30433e5a5024013e6a33393f6360)  
 01\_00 | 2014-06-26 | pdf | 1.9 MB



Solutions for Uninterruptible Power Supply (UPS) Systems (/dgd/Infineon-Solutions\_for\_UPS-Systems-ABR-v09\_00-EN.pdf?fileId=db3a30431a5c32f2011a5d9dd253004b)  
 > EN (/dgd/Infineon-Solutions\_for\_UPS-Systems-ABR-v09\_00-EN.pdf?fileId=db3a30431a5c32f2011a5d9dd253004b)  
 09\_00 | 2017-05-15 | pdf | 3.4 MB



Solutions for Wind Energy Systems (/dgd/Infineon-Solutions\_for\_Wind\_Energy\_Systems-ABR-v1.0-en.pdf?fileId=db3a30433e16edf9013e1c5f3f321162)  
 > EN (/dgd/Infineon-Solutions\_for\_Wind\_Energy\_Systems-ABR-v1.0-en.pdf?fileId=db3a30433e16edf9013e1c5f3f321162)  
 2013-04-18 | pdf | 5.4 MB

## + Product Selection Guide



Industrial and general purpose gate driver ICs (/dgd/Infineon-Selection\_Guide\_Gate\_Driver\_ICs-SG-v01\_00-EN.pdf?fileId=5546d46250cc1fdf015110069cb90f49)  
 > EN (/dgd/Infineon-Selection\_Guide\_Gate\_Driver\_ICs-SG-v01\_00-EN.pdf?fileId=5546d46250cc1fdf015110069cb90f49)  
 01\_00 | 2017-05-15 | pdf | 3.5 MB

## + Product Catalogue



Short Form Catalog - May 2017 (/dgd/Infineon-Shortform Catalog-PC-v03\_00-EN.pdf?fileId=db3a30431a47d73d011a529661267822)  
 > EN (/dgd/Infineon-Shortform Catalog-PC-v03\_00-EN.pdf?fileId=db3a30431a47d73d011a529661267822)  
 03\_00 | 2017-05-12 | pdf | 2.9 MB

## Order



<b>Sales Product Name</b>	<b>2ED250E12-F</b>
<b>OPN</b>	2ED250E12FEVALNOSA1
<b>Product Status</b>	on request
<b>Package name</b>	E-EUPEC-0
<b>Order online</b>	
<b>Completely lead free</b>	
<b>Halogen free</b>	
<b>RoHS compliant</b>	no
<b>Packing Size</b>	1
<b>Packing Type</b>	BLISTER TRAY
<b>Moisture Level</b>	

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Industry\*

Other Industry

Country / Territory\*

Preferred Distributor / Reseller\*

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Product Name\*

Estimated annual production volume (pieces) per year\*

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