

EVAL-2EDL23N06PJ

Overview

Description:

Evaluation Board for **2EDL23N06PJ** ([/cms/en/product/productType.html?productType=db3a30443e36c802013e3c261ba21600](#)) - Optimized 600V half bridge gate driver IC with LS-SOI technology to control **MOS-transistors** ([/cms/en/product/power/power-mosfet/channel.html?channel=db3a304319c6f18c011a14e5341b25f1](#)) like the **IPL60R199CP CoolMOS™ CP** ([/cms/en/product/productType.html?productType=db3a304426e7f13b01284da4dfc82eae](#)) .



Summary of Features:

- Overcurrent comparator
- Enable function, Fault indicator
- Individual control circuits for both outputs
- Filtered detection of under voltage supply
- All inputs clamped by diodes
- Off line gate clamping function
- Asymmetric undervoltage lockout thresholds for high side and low side
- Insensitivity of the bridge output to negative transient voltages up to -50V given by SOI-technology
- Ultra fast bootstrap diode

Benefits:

- Space saving package
- Improved energy efficiency

Target Applications:

[\(/cms/productpage-application/majorhomeappliances\)](#)

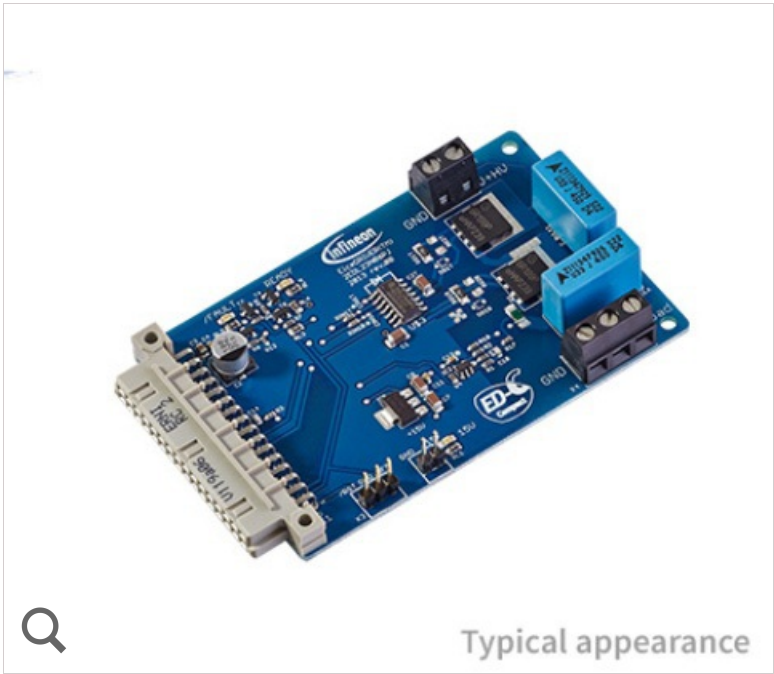
[\(/cms/productpage-application/induction-heating\)](#)

[\(/cms/productpage-application/drives\)](#)

[\(/cms/productpage-application/ups\)](#)

[\(/cms/productpage-application/solar\)](#)

[\(/cms/productpage-application/welding\)](#)



Parametrics

Parametrics	EVAL-2EDL23N06PJ
Applications	Server Consumer ; Solar Inverter
Configuration	Driving MOS-transistors or IGBTs For equipping 2EDL 600V half bridge EiceDRIVER™
Description	Evaluation Board for 2EDL23N06PJ EiceDRIVER™ Compact Driver ICs (600V)
Family	Gate Driver MOSFET
Input Type	DC
Product Description	Evaluation Board for 2EDL23N06PJ - Optimized 600V half bridge gate driver IC with LS-SOI technology to control MOS-transistors. • Driving MOS-transistors or IGBTs • For equipping 2EDL 600V half bridge EiceDRIVER™
Product Name	EVAL-2EDL23N06PJ
Promotion of	EiceDRIVER™ Compact
Target Application	Power Supplies
Topology	Half Bridge
Type	Evaluation Board

Documents

+ Expand all

+ Product Brief



2EDL EiceDRIVER™ Compact (/dgd/Infineon-2EDL_EiceDRIVER_Compact-PB-v03_00-EN.pdf?fileId=db3a30433dfcb54c013dfd24787600b8)
> EN (/dgd/Infineon-2EDL_EiceDRIVER_Compact-PB-v03_00-EN.pdf?fileId=db3a30433dfcb54c013dfd24787600b8) 03_00 | 2016-04-27 | pdf | 250 KB



EiceDRIVER™ - Gate Driver ICs for Electric Drives Application (/dgd/Infineon-EiceDRIVER_Gate_Driver_ICs-PB-v1.0-en.pdf?fileId=db3a3043338c8ac801338d26288d005f)
> EN (/dgd/Infineon-EiceDRIVER_Gate_Driver_ICs-PB-v1.0-en.pdf?fileId=db3a3043338c8ac801338d26288d005f)
> CN (/dgd/Infineon-EiceDRIVER_Gate_Driver_ICs-PB-v01_00-CN.pdf?fileId=5546d4624f205c9a014f698629a22d5f) 2011-11-10 | pdf | 1.4 MB

+ Application Notes



Evaluation Board EVAL-2EDL23N06PJ (/dgd/Infineon-Evaluationboard_2EDL23N06PJ-AN-v1.0-en.pdf?fileId=5546d46145f1f3a401461dcabb831bd1)
> EN (/dgd/Infineon-Evaluationboard_2EDL23N06PJ-AN-v1.0-en.pdf?fileId=5546d46145f1f3a401461dcabb831bd1)
> CN (/dgd/Infineon-Evaluationboard_2EDL23N06PJ-AN-v01_00-CN.pdf?fileId=5546d46250cc1fdf0150cdafbf2c09a7) 2014-05-21 | pdf | 1.3 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 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

+ Editorials



2EDL EiceDRIVER™ Compact - A new high voltage half bridge driver IC concept for consumer electronics and home appliances (/dgd/Infineon-PCIM_2013_2EDL_Compact_A_new_halfbridge_driver_IC-ED-v1.0-en.pdf?fileId=db3a304344134c7a014420bc884c766e)
> EN (/dgd/Infineon-PCIM_2013_2EDL_Compact_A_new_halfbridge_driver_IC-ED-v1.0-en.pdf?fileId=db3a304344134c7a014420bc884c766e)
> CN (/dgd/Infineon-PCIM_2013_2EDL_Compact_A_new_halfbridge_driver_IC-ED-v01_00-CN.PDF?fileId=5546d4624f205c9a014f69a1e16f6f13) 2014-02-11 | pdf | 604 KB

+ 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



Selection Guide EiceDRIVER™ Driver ICs (/dgd/Infineon-Selection_Guide_EiceDriver_driver_ICs-PFO-v1.0-en.pdf?fileId=db3a3043382e83730138512b13c80fd3)
> EN (/dgd/Infineon-Selection_Guide_EiceDriver_driver_ICs-PFO-v1.0-en.pdf?fileId=db3a3043382e83730138512b13c80fd3) 2012-07-04 | pdf | 1.7 MB



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

Sales Product Name	EVAL-2EDL23N06PJ
OPN	EVAL2EDL23N06PJTOBO1
Product Status	active and preferred
Package name	--
Order online	
Completely lead free	
Halogen free	
RoHS compliant	no
Packing Size	
Packing Type	CONTAINER
Moisture Level	
Moisture Packing	

Videos

EiceDRIVER™ 2EDL Driver IC Family

EiceDRIVER™ 2EDL is a 600V half bridge gate driver IC family basing on level-shifter SOI (Silicon on Insulator) technology, which integrates low-ohmic ultrafast bootstrap diode and supports higher efficiency and smaller form factors of applications.

2EDL半桥驱动芯片

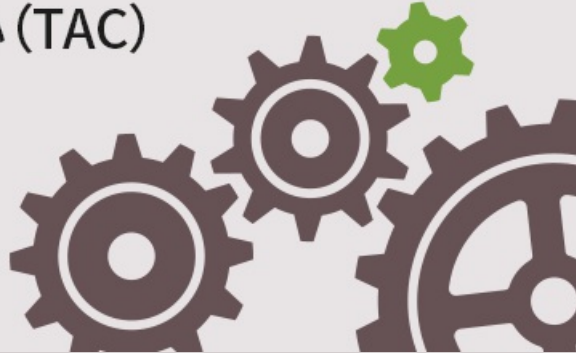
EiceDRIVER™ 2EDL是基于绝缘体上硅技术的600伏半桥门级驱动芯片系列, 其内部集成高性能低阻快恢复自举二极管, 适用于需高效率和小体积的各种应用.

Support



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Last Name*

E-Mail*

Phone

Company*

Company website (URL)

Industry*

Other Industry

Country / Territory*

Preferred Distributor / Reseller*

Other Distributor / Reseller

Product Name*

Estimated annual production volume (pieces) per year*

Please post your technical question as detailed as possible*

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