

EVAL-PS-E1BF12-SiC

Overview



Description:

This board has the purpose to enable the evaluation of the **FF11MR12W1M1_B11 (/cms/en/product/productType.html?productType=5546d4625c167129015c43fca2506e67)** and **FF23MR12W1M1_B11 (/cms/en/product/productType.html?productType=5546d4625c167129015c536fbc157c80)** **CoolSiC™ MOSFET modules (/cms/en/product/channel.html?channel=5546d4625c167129015c39e6eae53065)**. The evaluation board allows the performance of double-pulse measurements as well as functional tests as DC/DC converter. Therefore the board is designed as bidirectional buck-boost converter.

Summary of Features:

- Double pulse characterization
- Monitoring for short circuit test detection
- Functional testing of the buck-boost operation using electrical loads at the input or output stage

Benefits:



(/cms/productpage-application/solar)



(/cms/productpage-application/ups)

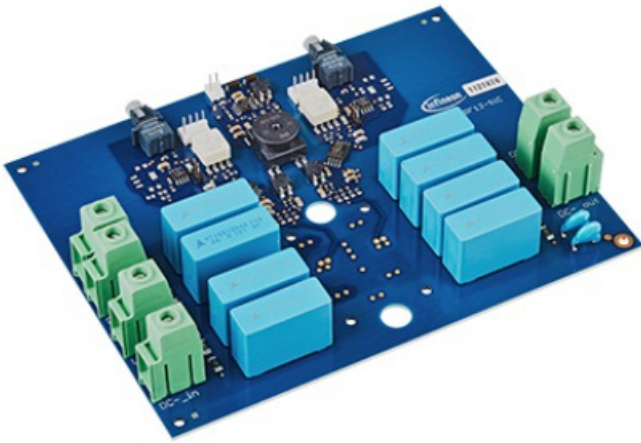


(/cms/productpage-application/battery-charger)



EVAL-PS-E1BF12-SiC - Evaluation Board for CoolSiC™ Easy1B half-bridge
02_00 | Oct 23, 2017 | PDF | 1.13 mb

(/dgd/Infineon-Evaluation+Board+for+CoolSiCEasy1B-AN-v02_00-EN.pdf?fileId=5546d4625f2e26bc015f48bf26213c81)



Typical appearance

Parametrics



Parametrics	EVAL-PS-E1BF12-SiC
Applications	Solar UPS ; Charger
Configuration	for evaluation of the FF11MR12W1M1_B11 and FF23MR12W1M1_B11 CoolSiC™ MOSFET modules
Description	Evaluation Board for the FF11MR12W1M1_B11 and FF23MR12W1M1_B11 CoolSiC™ MOSFET modules.
Family	MOSFET Modules
Input Type	DC
Product Description	This board has the purpose to enable the evaluation of the FF11MR12W1M1_B11 and FF23MR12W1M1_B11 CoolSiC™ MOSFET modules.
Product Name	EVAL-PS-E1BF12-SiC
Target Application	Solar UPS ; Charger
Topology	DC DC
Type	Evaluation Board

Documents



+ Expand all

+ Product Brief



MOSFET CoolSiC™. Revolution to rely on. (/dgd/Infineon-CoolSiC_MOSFET-PB-v02_00-EN.pdf?fileId=5546d46253f650570154947f21930eef)
 > EN (/dgd/Infineon-CoolSiC_MOSFET-PB-v02_00-EN.pdf?fileId=5546d46253f650570154947f21930eef)
 02_00 | 2017-05-15 | pdf | 338 KB

+ Application Notes



Application Note advanced gate drive options for Silicon-Carbide (SiC) MOSFETs using EiceDRIVER™ (/dgd/Infineon-Application Note Advanced Gate Drive Options for Silicon-Carbide (SiC) MOSFETs using EiceDRIVER(TM)-AN-v01_00-EN.pdf?fileId=5546d4625b3ca4ec015b47c9ac35705b)
> EN (/dgd/Infineon-Application Note Advanced Gate Drive Options for Silicon-Carbide (SiC) MOSFETs using EiceDRIVER(TM)-AN-v01_00-EN.pdf?fileId=5546d4625b3ca4ec015b47c9ac35705b)
01_00 | 2017-03-24 | pdf | 731 KB



Assembly Instructions - Easy-PressFIT Modules (/dgd/Infineon-Mounting_Instructions_Easy_PressFIT-AN-v02_03-EN.pdf?fileId=db3a30431ed1d7b2011ef425e7c75c5c)
> EN (/dgd/Infineon-Mounting_Instructions_Easy_PressFIT-AN-v02_03-EN.pdf?fileId=db3a30431ed1d7b2011ef425e7c75c5c)
02_03 | 2017-01-05 | pdf | 1.2 MB



EVAL-PS-E1BF12-SiC - Evaluation Board for CoolSiC™ Easy1B half-bridge **NEW** (/dgd/Infineon-Evaluation Board for CoolSiCEasy1B-AN-v02_00-EN.pdf?fileId=5546d4625f2e26bc015f48bf26213c81)
> EN (/dgd/Infineon-Evaluation Board for CoolSiCEasy1B-AN-v02_00-EN.pdf?fileId=5546d4625f2e26bc015f48bf26213c81)
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+ Article



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> EN (/dgd/Infineon-1200V CoolSiC MOSFET-ART-v01_00-EN.pdf?fileId=5546d4625d5945ed015d7f3fea6508ba)
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Article Bodos Power - Tipping Point for Wide Band Gap Technology Signals Start of Mainstream SiC Adoption (/dgd/Infineon-Tipping Point for Wide Band Gap Technology Signals Start of Mainstream SiC Adoption-ART-v01_00-EN.pdf?fileId=5546d4625d5945ed015d7f3ffe6208ce)
> EN (/dgd/Infineon-Tipping Point for Wide Band Gap Technology Signals Start of Mainstream SiC Adoption-ART-v01_00-EN.pdf?fileId=5546d4625d5945ed015d7f3ffe6208ce)
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Article Power Electronics Europe - CoolSiC Trench MOSFET Combining SiC Performance With Silicon Ruggedness (/dgd/Infineon-CoolSiC Trench MOSFET Combining SiC Performance With Silicon Ruggedness-ART-v01_00-EN.pdf?fileId=5546d4625d5945ed015d7f3fefec08c2)
> EN (/dgd/Infineon-CoolSiC Trench MOSFET Combining SiC Performance With Silicon Ruggedness-ART-v01_00-EN.pdf?fileId=5546d4625d5945ed015d7f3fefec08c2)
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+ Product Brochure




CoolSiC™ technology (/dgd/Infineon-CoolSiC technology-BC-v02_00-EN.pdf?fileId=5546d46253f650570154947f29430ef6)
> EN (/dgd/Infineon-CoolSiC technology-BC-v02_00-EN.pdf?fileId=5546d46253f650570154947f29430ef6)
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+ 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

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Sales Product Name	EVAL-PS-E1BF12-SIC
OPN	EVALPSE1BF12SICTOBO1
Product Status	active and preferred
Package name	--
Order online	
Completely lead free	
Halogen free	
RoHS compliant	no
Packing Size	1
Packing Type	BLISTER TRAY
Moisture Level	
Moisture Packing	NON DRY

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First Name*

Last Name*

E-Mail*

Phone

Company*

Company website (URL)

Industry*

[Please select]



[please select]

Other Industry

Country / Territory*

[please select]

Preferred Distributor / Reseller*

[please select]

Other Distributor / Reseller

Product Name*

EVAL-PS-E1BF12-SIC

Estimated annual production volume (pieces) per year*

[please select]

Please post your technical question as detailed as possible*

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