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DEMOBOARD IFX90121

Follow

Overview
Demoboard for industrial step-down DCDC controller with built in MOSFET for output currents up to 500 mA.

Parametrics

Parametrics	**DEMOBOARD IFX90121**
Family	DC-DC Converter
Input Type	DC
Output Voltage	5.0 V 4.9 V 5.1 V

min max **Parametrics**	**DEMOBOARD IFX90121**
Product Description	Demoboard for industrial step-down DCDC controller with built in MOSFET for output currents up to 500 mA
Product Name	DEMOBOARD IFX90121
Qualification	Industrial
Supply Voltage min max	8.0 V 4.75 V 45.0 V
Target Application	Automation ; Industrial ; Medical ; Motor Control & Drives ; Power Supplies
Topology	Buck
Type	Evaluation Board

Documents

Additional Technical Information

IFX90121 Demo Board Schematic (/dgdl/IFX90121-Demoboard-schematic.pdf?fileId=5546d46145460399014592c1111f44b3)
01_00 | 2014-04-24 | pdf | 148 KB

Order

Sales Product Name	**DEMOBOARD IFX90121**
OPN	DEMOBOARDIFX90121TOBO1
Product Status	active and preferred
Package name	--
Order online	
Completely lead free	

Sales Product Name Halogen free	**DEMOBOARD IFX90121**
RoHS compliant	no
Packing Size	1
Packing Type	CONTAINER
Moisture Level	
Moisture Packing	NON DRY

Support

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BTS711L1 & BTS5210G in Application- Auto-heating system - error reports

QUESTION: A prototype using the (BTS711L1 & BTS5210G) components was built, but in tests, BTS711L1 gives error reports. The current was 100mA. The BTS5210G was also used in the same application. This did not give any error feedback.
APPLICATION: Auto-heating system, Voltage- 24V, Current consumption per relay is 50mA. There are different channels, in some channels 2 relays used, some use 5 relays, etc. …

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Final Test of IGBT modules

The applied Viso test is a 100% outgoing test for all our IGBT modules and the test is done according to the IEC standard IEC60747-9. Please see the enclosed information about the final test.
To carry out the test, all the terminals are connected.

The applied Viso voltage tests the isolation capability between the connected terminals and the base

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solid state relays/optocouplers / Infrared Data Transceiver

We sold the optocoupler and solid state relay divisions to Vishay in 2001. Infrared Data Transceiver IRMxxx was affected as well.
Please contact Vishay at **https://www.vishay.com (https://www.vishay.com)** to obtain further information on the requested product(s).

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What are the benefits of Gate Drive Control ICs?

The HVIC gate drive solution typically cuts down on component counts and PCB size by 50 percent compared to discrete solutions.

These devices offer an improved immunity to voltage spikes and contribute to lower switching losses for the IGBTs and FETs.…

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Alternative smart driver for use as pump driver

Q: Looking for an alternative smart driver for use as a pump driver in systems. The smart drivers should meet the following requirements:

Overload protection
…

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