中文网站 日本サイト Quality Careers Contact Us MyLinear

LINEAR TECHNOLOGY

PRODUCTS   SOLUTIONS   DESIGN SUPPORT   PURCHASE   COMPANY

Search →

Power Management

Switching Regulator
Linear Regulators (LDO)
µModule Regulators
PMIC & Multifunction
Inductorless (Charge Pump) DC/DC Converters
LED Driver ICs
Battery Management
Power Control
Current Sources
Hot Swap IC
Power-Over-Ethernet (PoE) Interface Controllers
System Supervisor, Monitor and Control
Energy Harvesting
Power Management Evaluation Kits

Home > Products > Power Management > Power Management Evaluation Kits > DC1311

+ MyLinear

DC1311 - LTC3805 Evaluation Kit

FEATURES | DESCRIPTION | PACKAGING | ORDER INFO | SIMULATE

Order Now

Buy →

Request Samples

FEATURES

DC1311A-A - LTC3805 Evaluation Kit
Disclaimer: Linear Technology cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a Linear Technology product. No circuit patent licenses are implied. Linear Technology reserves the right to change the circuitry and specifications without notice at any time.

TYPICAL APPLICATION

Figure 1. Proper Measurement Equipment Setup
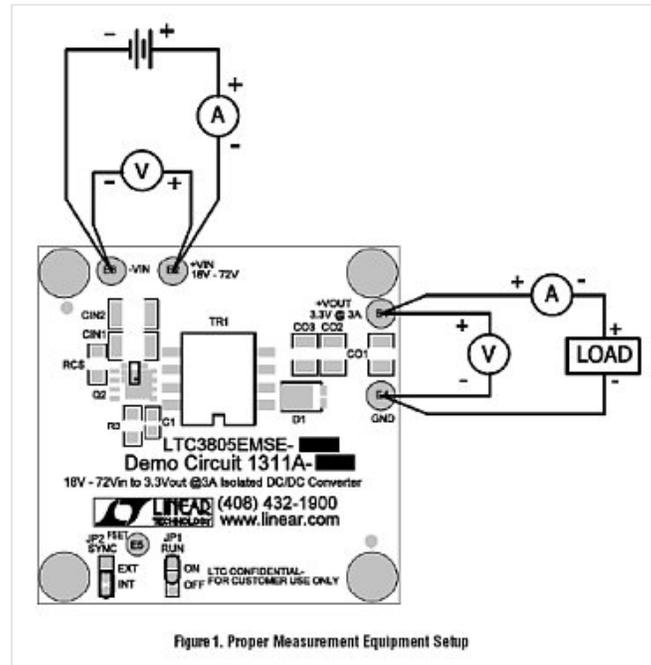
BACK TO TOP

DESCRIPTION

Demonstration circuit 1311 is a Telecom isolated DC/DC converter featuring the LTC3805/-5 constant frequency current mode flyback controller. The DC1311 converts 18V to 72V input voltage to an isolated 3A of output current at 3.3V. The 300kHz constant frequency operation is maintained down to very light load to reduce low frequency noise generated over a wide range of load current. The converter provides high output voltage accuracy (typically ±2%) over wide load range with no minimum load requirement.

BACK TO TOP

PACKAGING

BACK TO TOP

ORDER INFO

Part numbers ending in PBF are lead free. Please contact LTC marketing for information on lead based finish parts.
Part numbers containing TR or TRM are shipped in tape and reel or 500 unit mini tape and reel, respectively
Please refer to our general ordering information or the product datasheet for more details

Evaluation Kits

Part Number	Description	Price
DC1311A-A	LTC3805 Isolated Demo Board, Vin: 18V to 72V, Vout: 3.3V/3A	$75.00
DC1311A-B	LTC3805-5 Isolated Demo Board, Vin: 18V to 72V, Vout: 3.3V/3A	$75.00
Buy Now		

BACK TO TOP

APPLICATIONS

BACK TO TOP

SIMULATE

To simulate selected Linear Technology products, please download LTSpice / SwitcherCAD III. This powerful schematic capture and simulation tool includes macro models for 80% of Linear Technology's switching regulators, over 200 op amp models, as well as resistors, transistors and MOSFET models.

For other simulation tools, visit our Design Simulation and Device Models page.

BACK TO TOP