

IRMCB201

Accelerator Bundled System with Source Code Accelerator™ Encoder based System Manual

Features

- Complete bundled system including design platform and source and object code (IRMCS201, IRMCO201 and IRMCV201)
- Support encoder based servo control application
- Hardware torque/speed control by Verilog code
- 230V/1.0kW output power with IR Plug-N-Drive IGBT module (20A/600V)
- Design Platform with configurable FPGA
- IR2175 high voltage ICs for current sense
- ServoDesigner™ graphical user interface for configuration, control and monitoring

Product Summary

Current loop bandwidth (-3dB)	5kHz
Speed loop bandwidth (adjustable)	400Hz max
PWM carrier frequency	70kHz max
FOC(Field Orientation Control) execution time	6usec
Continuous output current	6Arms
Overload output current	16Arms

Description

IRMCB201 is the bundled system for high performance servo drive development system. It contains the design platform, complete source code and the ServoDesigner application to assist with FPGA development. The design platform is based on advanced IR's high voltage IC power management component and can deliver continuous 1.0kW output. Complete Verilog library for accurate simulation up to 1.0kW.



ServoDesigner™

