

4000V Isolated Gate Driver Module

IXIDM1403: 30A and IXIDM1401: 10A

AC, DC motor drives, inverters, converters, medical, UPS, traction and SMPS

Key Features:

- Dual Channel Driver for Half-Bridge Switching Modules
- Blocking voltages up to 4000 V
- +15 V/-5 V Isolated Gate Driver Output Voltage to Drive IGBTs with up to 10 A/30A Pulse Current
- 3 V TTL Logic Level Microcontroller Interface
- Single 15 V Power Supply Operations
- Operating Ambient Temperature: -40°C~+105°C
- Footprint: 50 mm x 50 mm
- UVLO, OVLO, OC, Temperature, short-circuit (SC), Active clamping protections (check datasheet for details)

Optimized for:

Phase-leg IGBT Modules:

- up to 600A/600V • up to 600A/1200V • up to 450A/1700V

ORDERING INFORMATION

IXIDM①②③④_⑤⑥⑦⑧_⑨

DESIGNATORS	DESCRIPTION	SYMBOL	DESCRIPTION
①	Module Configuration	1	Two Isolated Gate Drivers
②③	Isolation Voltage	40	4.0 kV
④	Gate Current	1, 3	10 A, 30A
⑤⑥	Positive Gate Voltage	15	15 V
⑦⑧	Negative Gate Voltage	05	-5 V
⑦⑧	Negative Gate Voltage	15	-15 V
⑨	Package Information		O – Open Frame, M - Molded

PART NUMBERS AND ORDERING OPTIONS:

IXIDM1401_1505_O - two isolated gate drivers with 10 A gate current , 15 V positive and -5 V negative gate voltage, open frame version.

IXIDM1401_1505_M - two isolated gate drivers with 10 A gate current , 15 V positive and -5 V negative gate voltage, molded version.

IXIDM1403_1515_O - two isolated gate drivers with 30 A gate current , 15 V positive and -15 V negative gate voltage, open frame version.

IXIDM1403_1505_M - two isolated gate drivers with 30 A gate current , 15 V positive and -15 V negative gate voltage, molded version.



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Efficiency Through Technology

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