

Reference only

Gate Driver optimized for **FUJI Electric** **IGBT Power Module 2MBI1000XRNE120-50** **2MBI800XRNE170-50**



2MBI1000XRNE120-50
2MBI800XRNE170-50



Supported by **FUJI Electric**

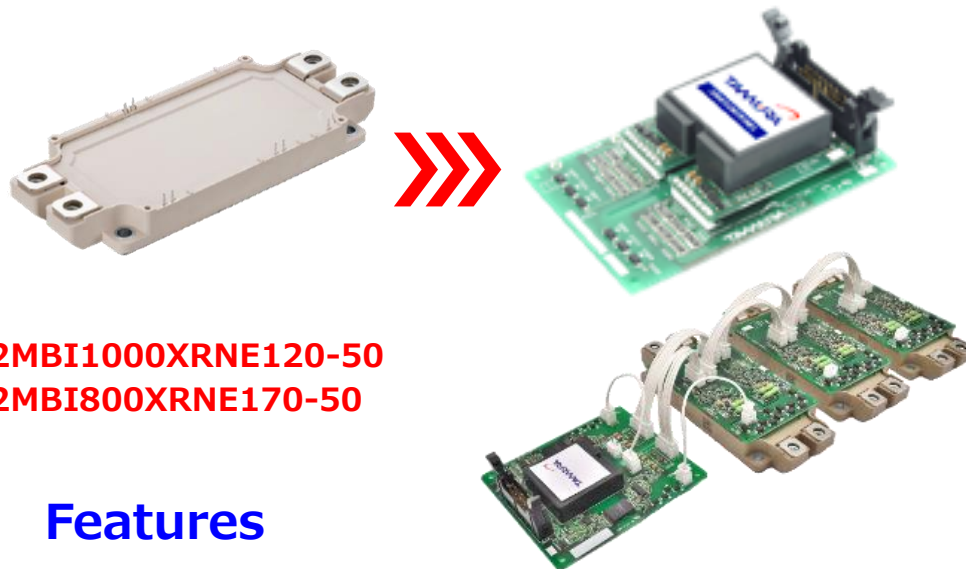
SUSTAINABLE
DEVELOPMENT
GOALS

TAMURA

Your One and Only Company

Gate Drivers optimized for **FUJI Electric** 2MBI1000XRNE120-50 / 2MBI800XRNE170-50

Appliance



2MBI1000XRNE120-50
2MBI800XRNE170-50

Features

- ① Higher power module drive (4W/1ch)
- ② Suitable for parallel drive !
- ③ Various protection

Specification

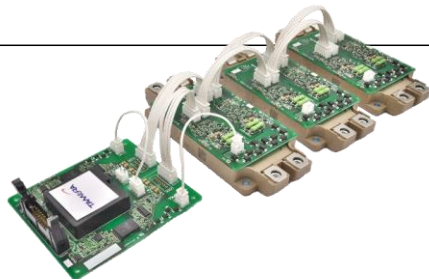
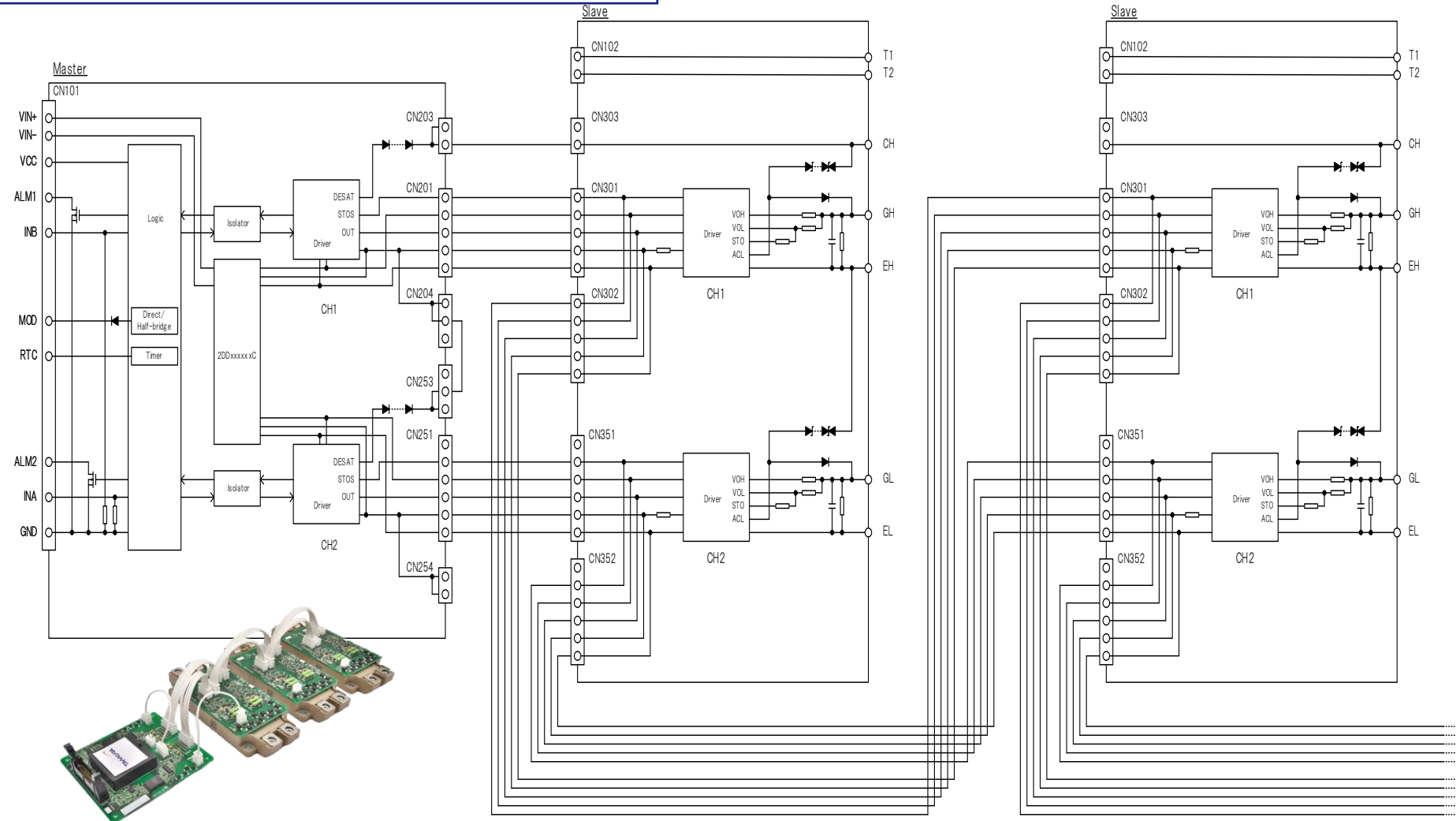
Item	Development value
Output voltage	+15V / -10V
Short protection	DESAT + Soft turn off *1
Signal delay time	5ns (TYP)
Withstand voltage	5kV
Partial discharge extinction voltage	1.768kV peak (min)
CMTI	70kV/us
Clearance / creepage (Pri-Sec)	14mm / 16mm
Clearance / creepage (Sec-Sec)	7mm / 12mm

*1: Active clamp gate is optional. Please contact us.

*2: Please refer to data sheet for details.

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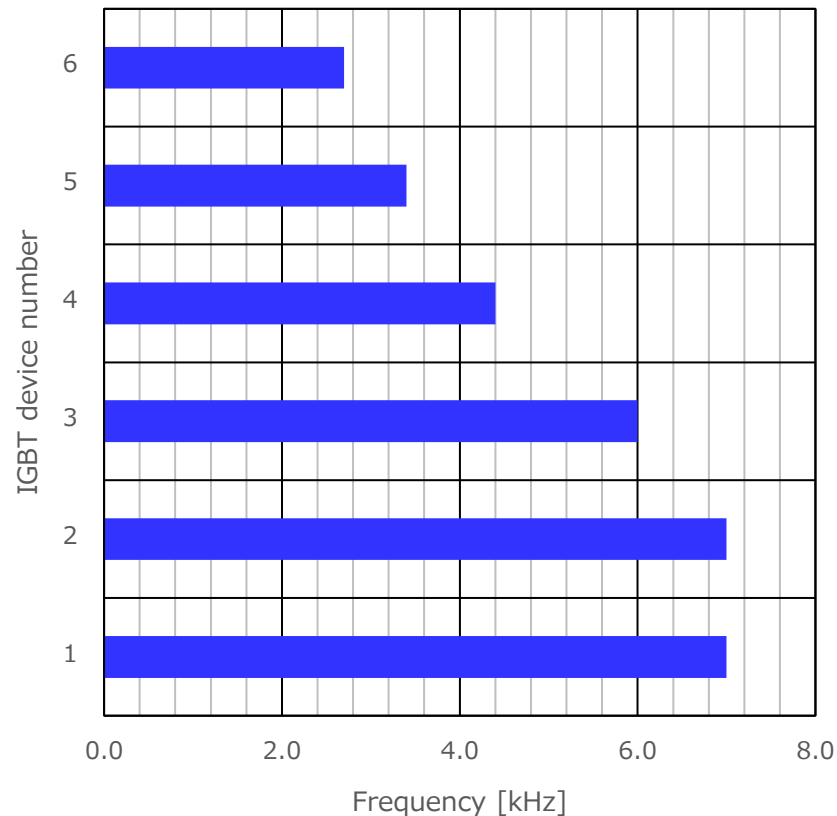
Connection diagram in parallel drive



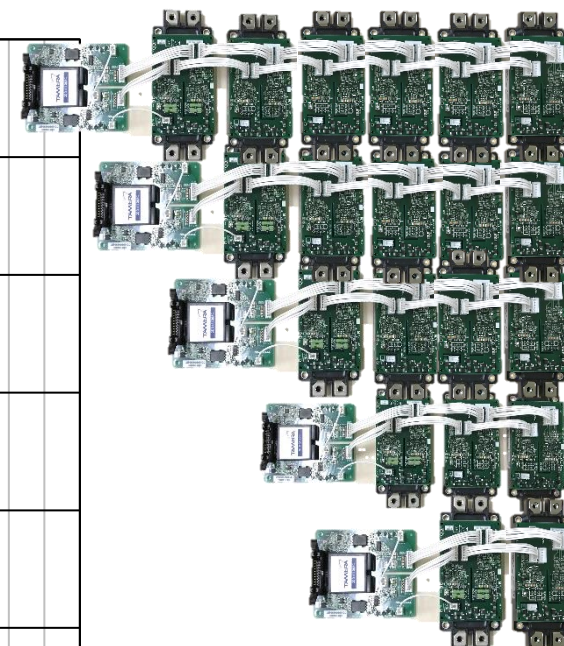
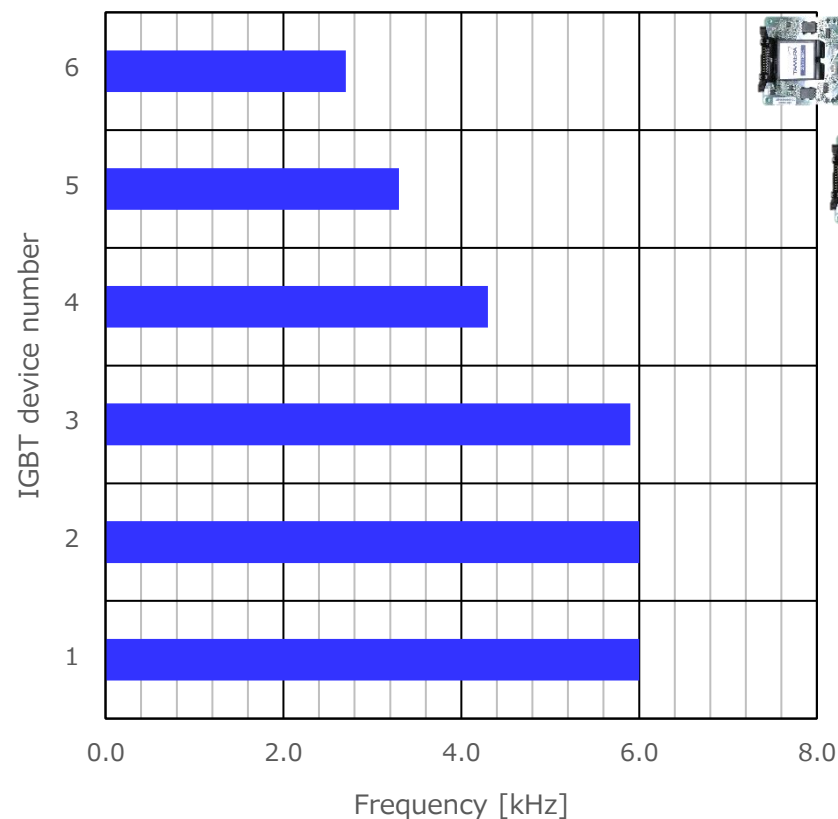
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Frequency vs Gate driver parallel number

• 2MBI1000XRNE120-50



• 2MBI800XRNE170-50



This data is under development.
The content of this document is
subject to change without prior notice.

Appendix) Information & Contact

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- Let's know more TAMURA products
Special movie
Presentation of conference
- Easy Get the essential
Matching data with power module
3D data to design!
- One-click to purchase
from the check stock!

Feel free to inquire! ↓

<https://www.tamuracorp.com/electronics/en/contact/>