FUJI IGBT Module 6MBI800XV-075V-01

Dynamic avalanche voltage $V_{av}$ and $T_{vj}$ characteristics

Measured module: 6MBI800XV-075-01

Measured conditions: $V_{CC}=400V$, $I_{C}=$ about 200A, $V_{GE}=+15V/0V$, $R_{G}=+2.7/-1.8 \Omega$, $C_{GE}=0nF$

$T_{vj}=\text{var.}$, Wiring between capacitor and P,N=Long
1. This Catalog contains the product specifications, characteristics, data, materials, and structures as of December 2017. The contents are subject to change without notice for specification changes or other reason. When using a product listed in this Catalog, be sure to obtain the latest specifications.

2. All applications described in this Catalog exemplify the use of Fuji’s products for your reference only. No right or license, either express or implied, under any patent, copyright, trade secret or other intellectual property right owned by Fuji Electric Co., Ltd. is (or shall be deemed) granted. Fuji Electric Co., Ltd. makes no representation or warranty, whether express or implied, relating to the infringement or alleged infringement of other’s intellectual property rights which may arise from the use of the applications described herein.

3. Although Fuji Electric Co., Ltd. is enhancing product quality and reliability, a small percentage of semiconductor products may become faulty. When using Fuji Electric semiconductor products in your equipment, you are requested to take adequate safety to prevent the equipment from causing a physical injury, fire, or other problem if any of the products become faulty. It is recommended to make your design failsafe, flame retardant, and free of malfunction.

4. Do not use products in this Catalog for the equipment requiring strict reliability such as the following and equivalents to strategic equipment (without limitation).
   - Space equipment
   - Aeronautic equipment
   - Nuclear control equipment
   - Submarine repeater equipment

5. All rights reserved. No part of this Catalog may be reproduced without permission in writing from Fuji Electric Co., Ltd.

6. If you have any question about any portion in this Catalog, ask Fuji Electric Co., Ltd. or its sales agents before using the product. Neither Fuji Electric Co., Ltd. nor its agents shall be liable for any injury caused by any use of the products not in accordance with instructions set forth herein.

**WARNING**

---

Technical document: MT5F36667

2017/12