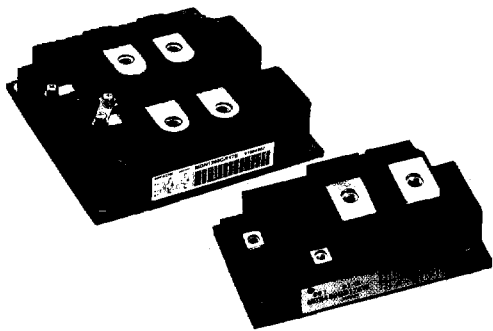


I GBT Modules

1200V GR Series



Features

1 Low Loss

- turn-OFF switching loss ; approx. -25% compare with GS series
- IGBT's $V_{CE(sat)}$; typ 2.2V (-0.5V compare with GS series)

2 Improved Thermal Impedance

- IGBT ; approx. -10% compare with GS series

3 Low Noise

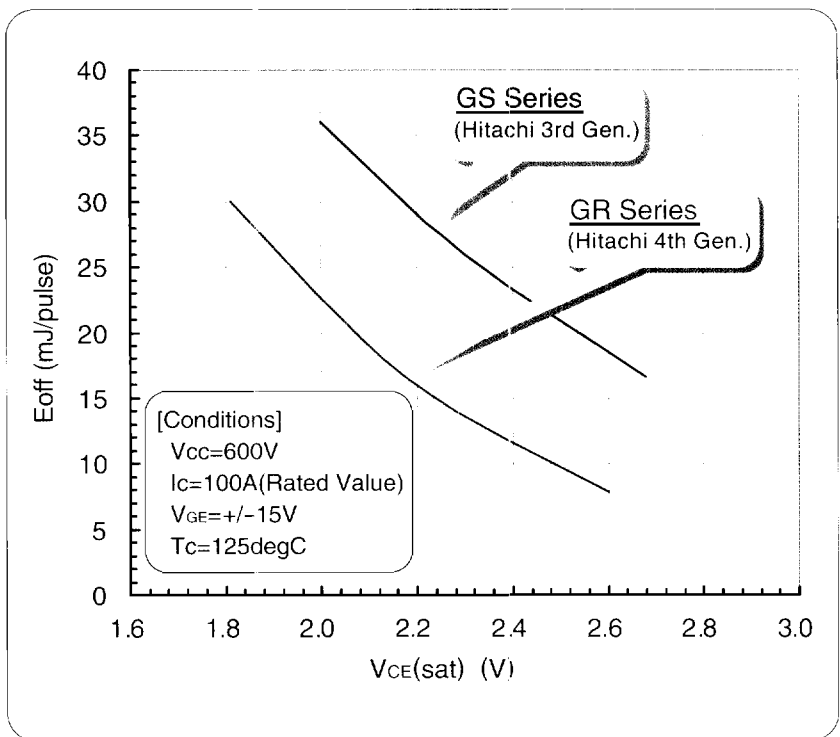
- IGBT ; soft switching for turn-ON due to dv/dt reduction
- Diode(FWD) ; soft recovery due to built in Free Wheeling Diode(U-SFD/A Version)

4 High Reliability

- high power cycle durability ; 2 times increase compare with GS series
- high intermittent operating durability

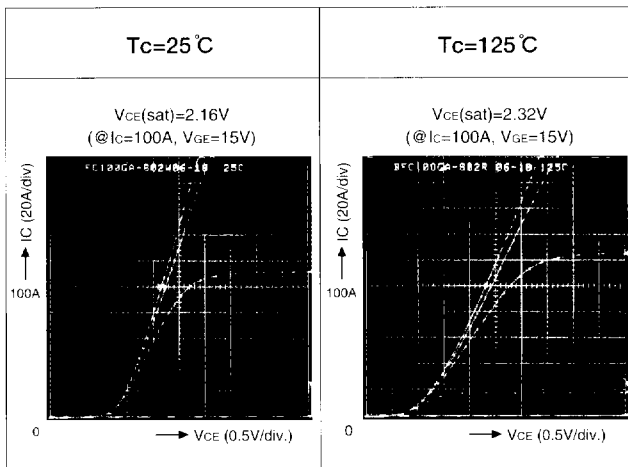
Trade-Off Curves

<<< 1200V class >>>



Output Characteristics

<<< 1200V / 100A IGBT Module >>>



Loss Simulation with Inverter (DC to AC) Mounted

<<< 1200V/100A IGBT Module >>>

