



## IGBT Modules

|           |       |
|-----------|-------|
| $V_{CES}$ | 1200V |
| $I_C$     | 75A   |

## Applications

Motor Drivers  
AC and DC Servo Drive Amplifier  
UPS (Uninterruptible Power Supplies)

## Features

Low switching losses  
Low  $V_{CE(sat)}$  with positive temperature coefficient  
Including fast & soft recovery anti-parallel FWD  
Low inductance case  
High short circuit capability(8us)  
Maximum junction temperature 175

## IGBT- inverter





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**Diode-inverter**  
Absolute Maximum Ratings

Parameter



## IGBT-brake-chopper

### Absolute Maximum Ratings

| Parameter                         | Symbol    | Conditions                            | Value | Unit |
|-----------------------------------|-----------|---------------------------------------|-------|------|
| Collector-Emitter Voltage         | $V_{CES}$ | $V_{GE}=0V$ , $I_C=1mA$ , $T_{vj}=25$ | 1200  | V    |
| Continuous Collector Current      | $I_C$     | $T_C=100$ $T_{vjmax}$ 175             | 50    | A    |
| Repetitive Peak Collector Current | $I_{CRM}$ |                                       |       |      |





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## Diode-rectifier

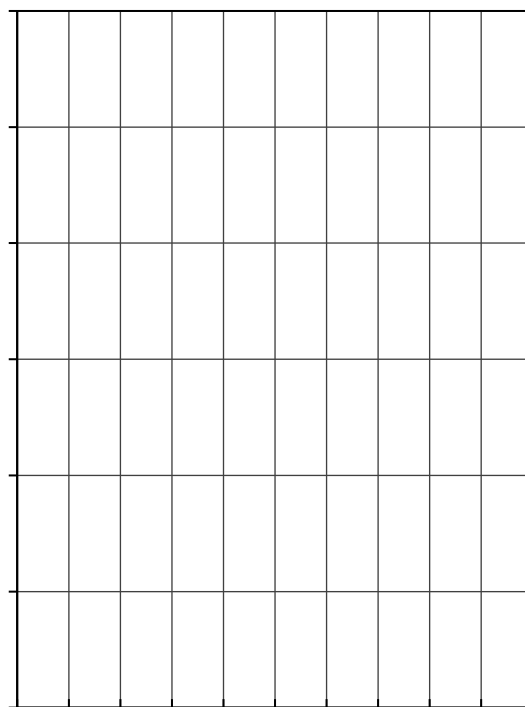
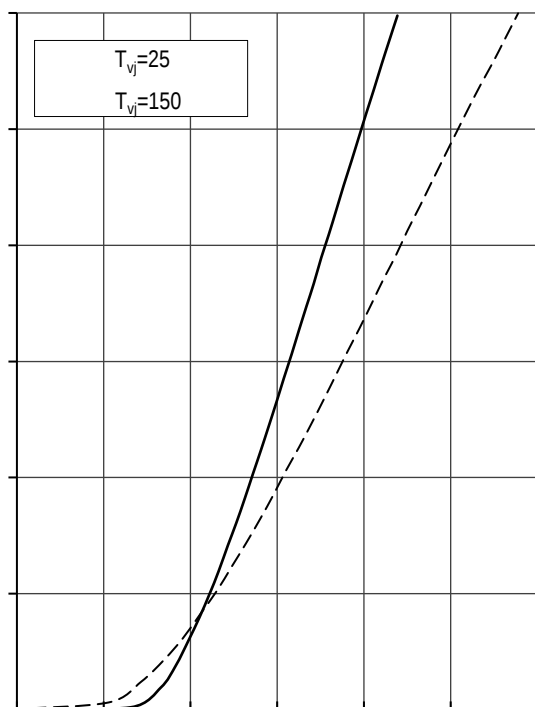


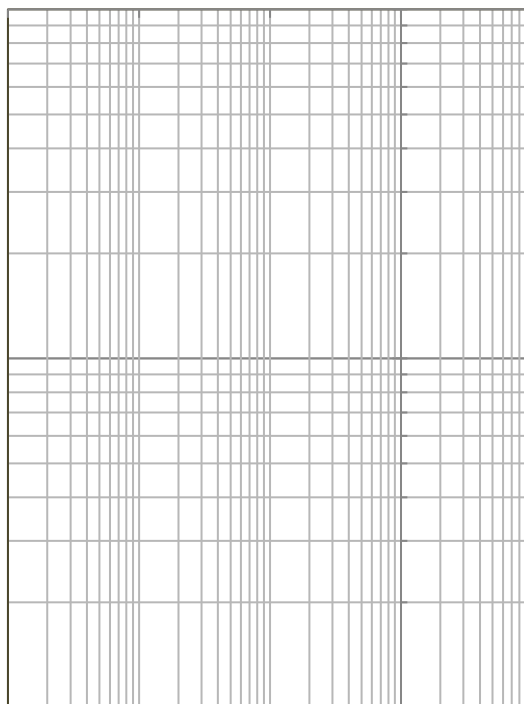
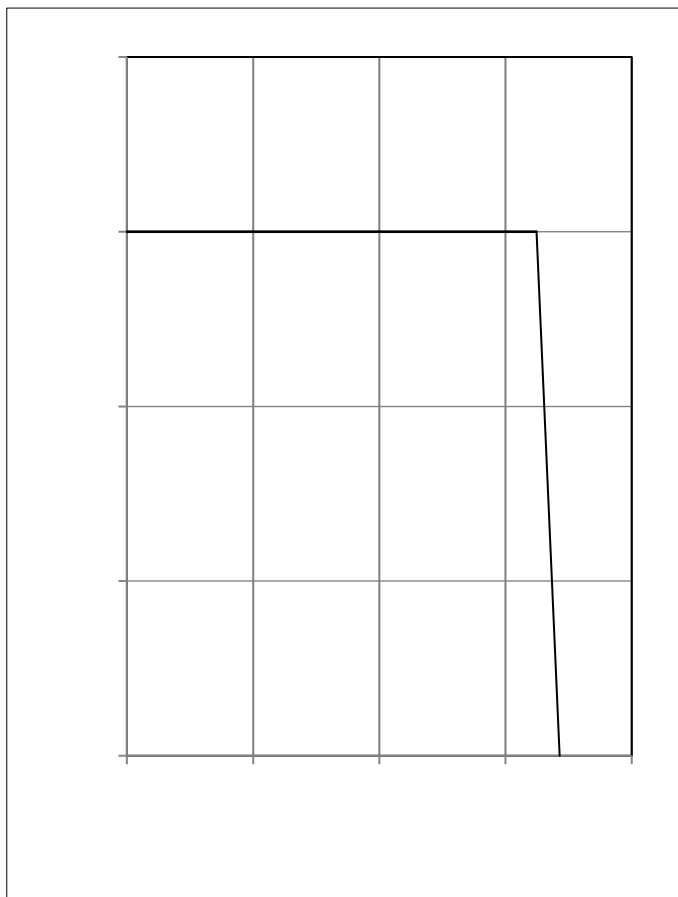
## Module Characteristics

T<sub>C</sub>=25° C unless otherwise specified

Parameter

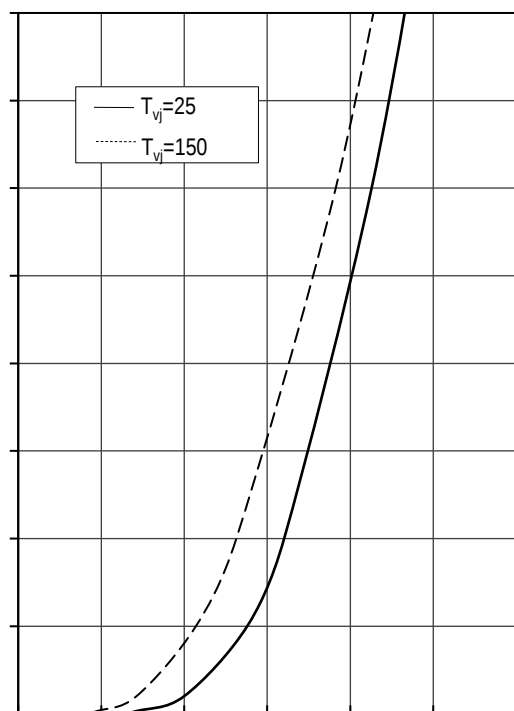
Symbol







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|--|--|--|--|
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|  |  |  |  |
|  |  |  |  |
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|      |      |  |      |
|------|------|--|------|
| 15.  | 16.9 |  |      |
| 18.8 |      |  |      |
| 30.2 | 28.3 |  |      |
| 34   | 32.1 |  |      |
| 45.5 | 43.6 |  |      |
| 49.3 | 47.4 |  |      |
| 60.7 | 58.8 |  |      |
| 64.5 | 62.6 |  |      |
| 68.3 | 66.4 |  |      |
| 79.8 |      |  |      |
| 83.6 |      |  |      |
|      |      |  | 93.1 |
|      |      |  | 96.9 |

