



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





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}			



Diode-rectifier

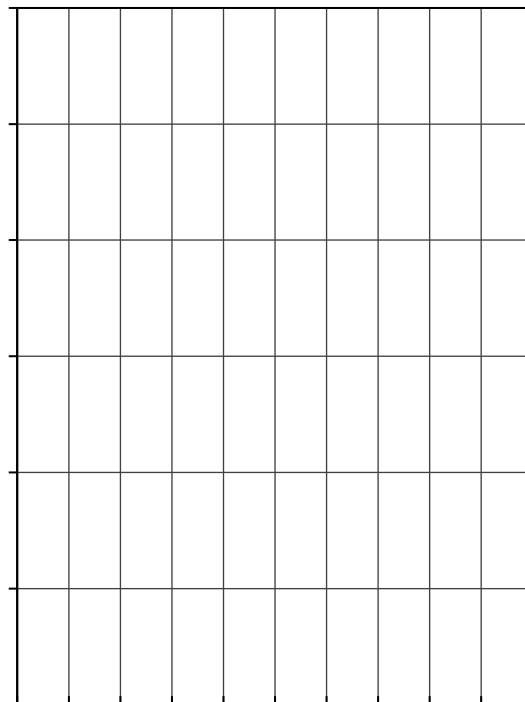
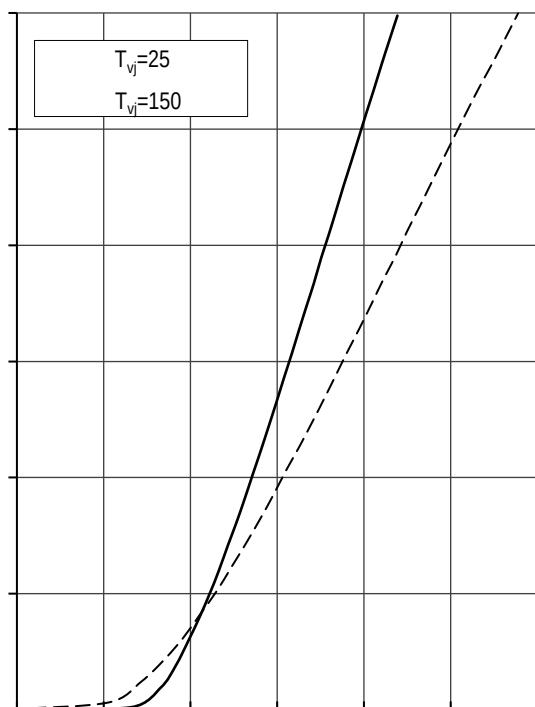


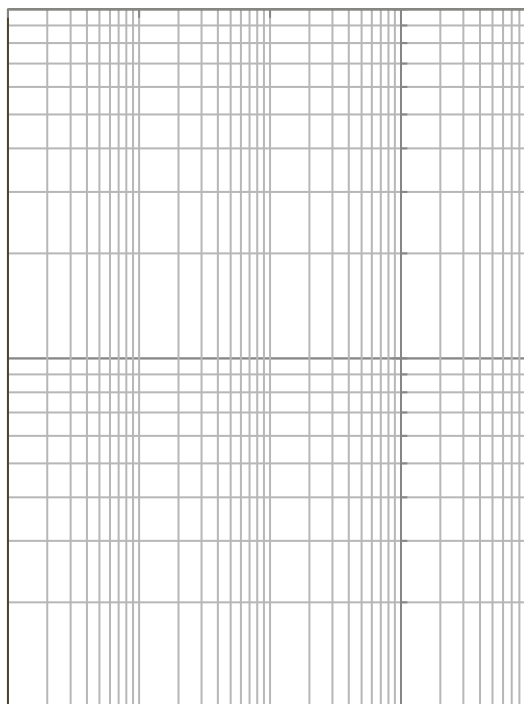
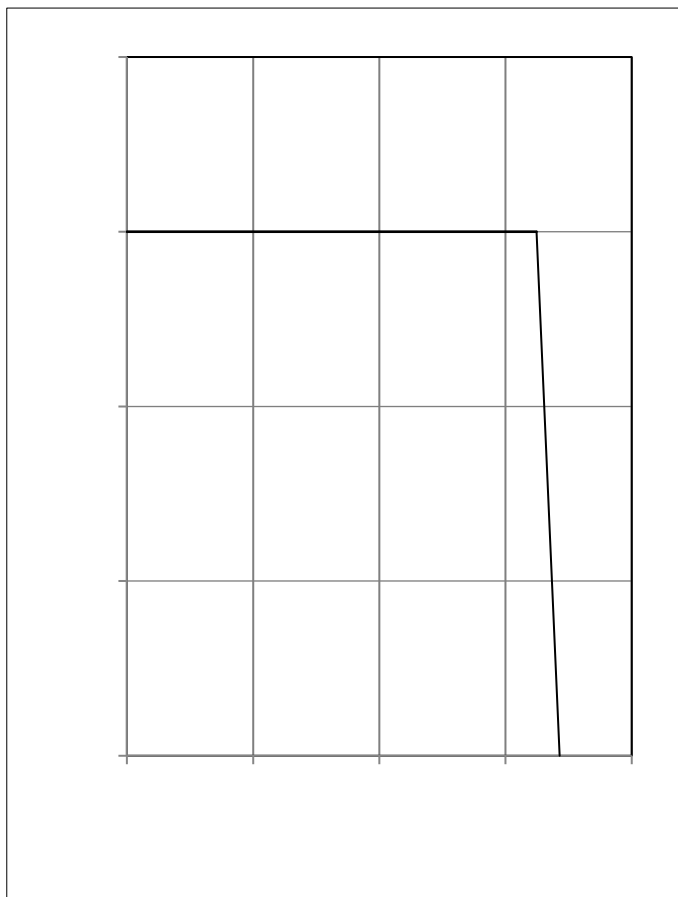
Module Characteristics

T_C=25° C unless otherwise specified

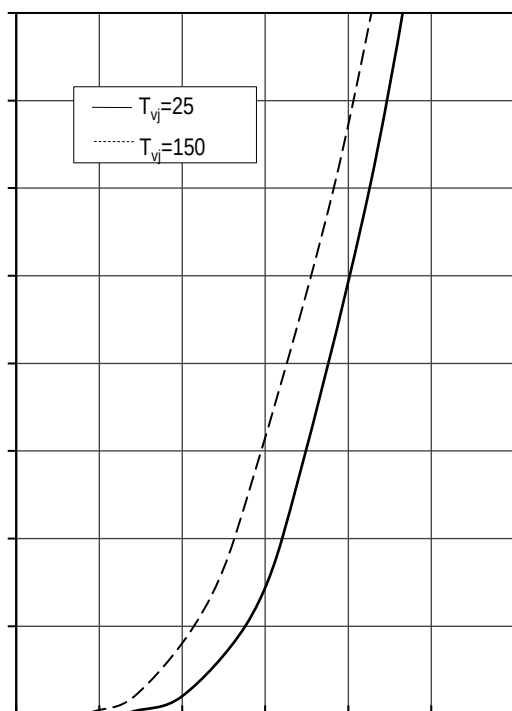
Parameter

Symbol











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

