

### Ratings

Collector-Emitter Voltage	1200	V
Continuous Drain Current	100	A
Operating Temperature	150	°C

### Electrical Characteristics

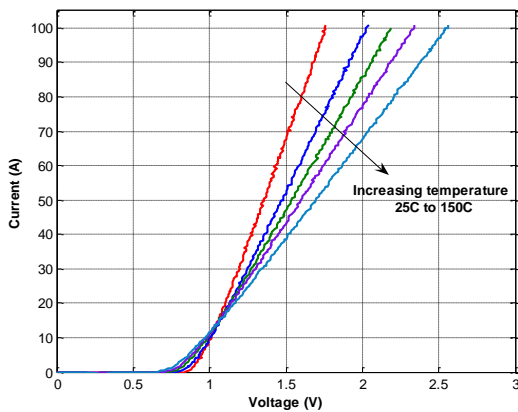
Parameters	Symbol	Conditions	Value			Unit
			Min	Typ	Max	

### On characteristics

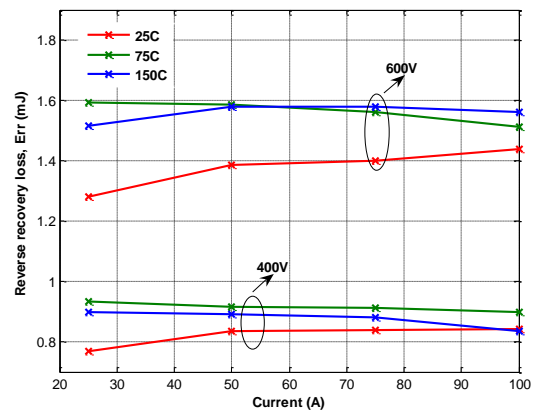
Forward Voltage	$V_F$	$T_j=25^\circ\text{C}$	-	0.8	-	V
		$T_j=225^\circ\text{C}$	-	0.6	-	V

### Switching characteristics

Turn-off Energy	$E_{\text{off}}$	$V_{AK}=600\text{V},$ $I_F=100\text{ A},$ Inductive load,	$T_j=25^\circ\text{C}$	-	1.45	-	mJ
			$T_j=150^\circ\text{C}$	-	1.55	-	mJ
Turn-off Energy	$E_{\text{off}}$	$V_{AK}=400\text{V},$ $I_F=100\text{ A},$ Inductive load	$T_j=25^\circ\text{C}$	-	0.85	-	mJ
			$T_j=150^\circ\text{C}$	-	0.9	-	mJ



**Fig.1: i-v curves**



**Fig.2: Switching Energy Losses**