- Low forward voltage and leakage current
- Low inductance package
- High surge current capability

- Field supply for DC motors
- Line rectifiers for transistorized AC motor controllers
- Non-controllable rectifiers for AC/DC converter

(@ T_C = 25℃ unless otherwise specified)

Repetitive peak reverse voltage		V_{RRM}	1800	V
Non-repetitive peak reverse voltage		V_{RSM}	1900	V
Output current	T_C = 100	I_D	160	A
Forward surge current	1/2 cycle, Sine wave, 50Hz T_{vj} = 25	I_{FSM}	2000	A
I^2t value for fusing		I^2t	20000	A^2s
RMS isolation voltage	A.C 50Hz(1s/1min)	V_{ISO}	3600/3000	V

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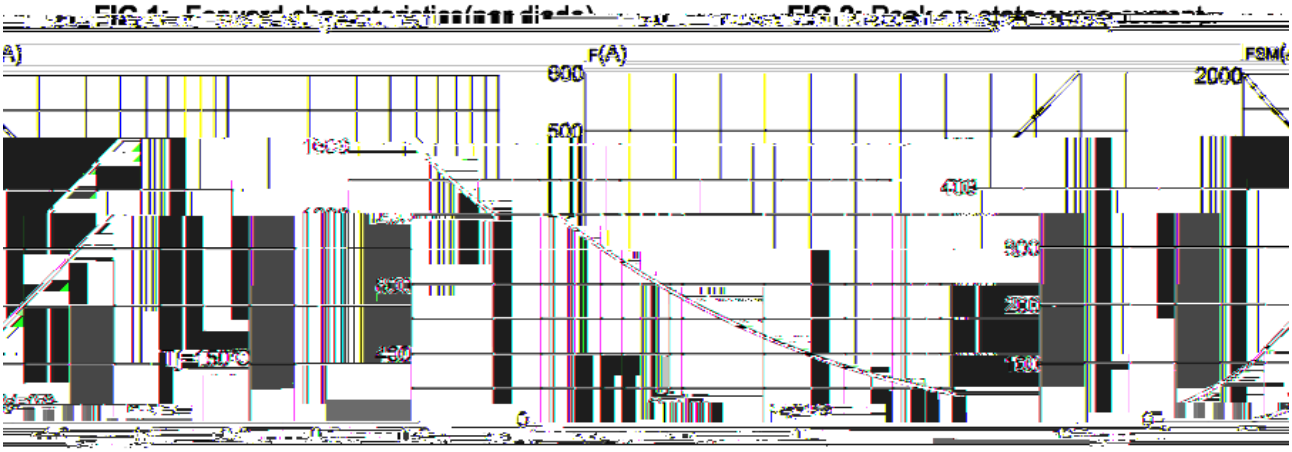
(@ T_C = 25℃ unless otherwise specified)

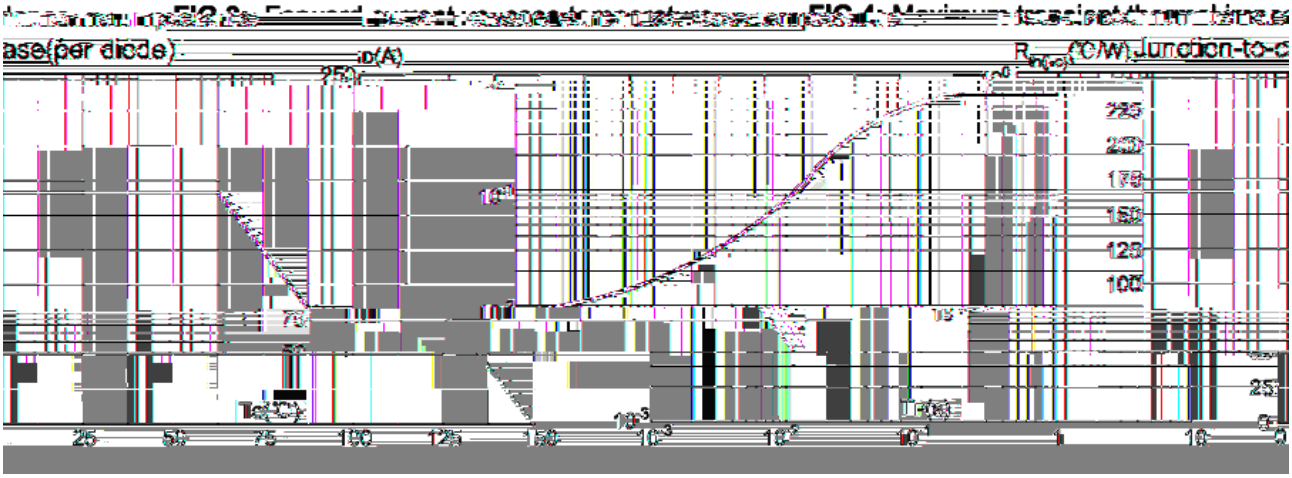
Forward voltage	I_D = 160A, Tvj = 25	V_F		1.20	1.40	V
Reverse leakage current	$V_R = V_{RRM}$, Tvj = 25	I_{RRM}			0.5	mA
	$V_R = V_{RRM}$, Tvj = 150				10	mA
Threshold voltage	For power loss calculation only Tvj = 150 ,	V_{TO}			0.86	V
Dynamic resistance		r_T			3.1	mΩ

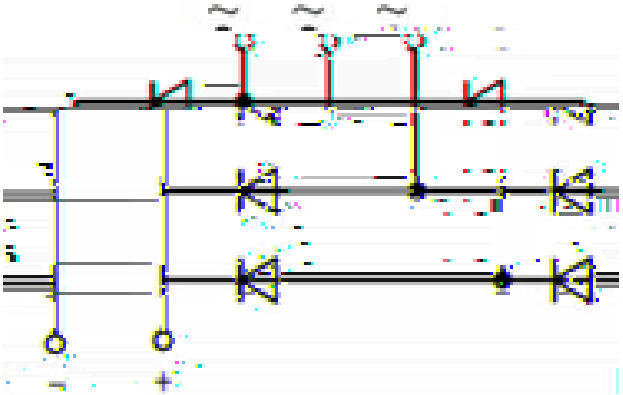
(@ T_C = 25℃ unless otherwise specified)

Thermal impedance (junction to case)	per diode	$R_{th(j-c)}$			0.65	K/W
Mounting torque	Base plate to heatsink screw M6	M	4.25		5.75	N·m
	Electrode to terminal screw M6		4.25		5.75	N·m

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