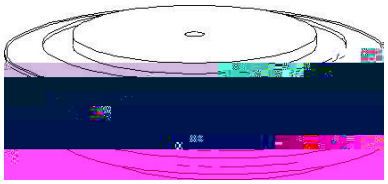
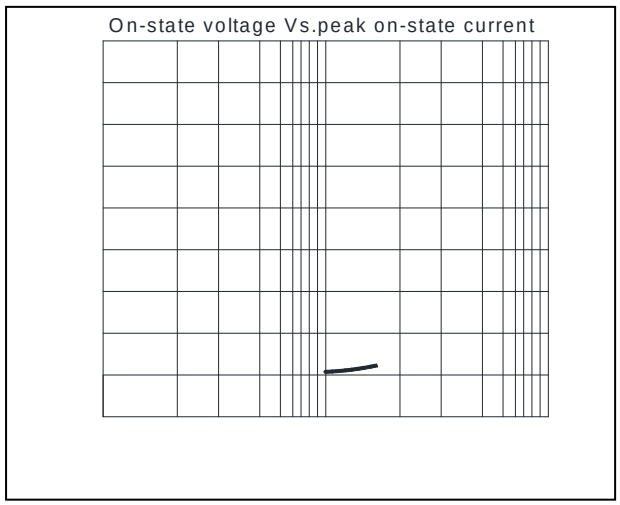


Repetitive peak reverse leakage current	I_{RRM}	15 mA 60 mA (3)

Average forward current	$I_{F(AV)}$		2000		A	Sinewave 180°, Tc =70
RMS forward current	I_{FRMS}		3140		A	
Peak one cycle surge (non repetitive) current	I_{FSM}		30000		A	10 msec (50Hz), sinusoidal wave-shape, 180° conduction, Tj =125
I square t	I^2t		45.0 10^5		A^2s	8.3 msec and 10.0 msec
Peak forward voltage	V_{FM}		2.20		V	I_{FM}= 3000A; Duty cycle 0.01%
Threshold voltage	V_{FO}		1.35		V	Tj=125°C,I=0.5 $I_{F(AV)}$ to 1.5 $I_{F(AV)}$
Slope resistance	r_F		0.18		mΩ	Tj=125°C,I=0.5 $I_{F(AV)}$ to 1.5 $I_{F(AV)}$
Reverse Recovery Current (4)	$I_{RM(REC)}$		*		A	
Reverse Recovery Charge (4)	Q_{rr}		*		µC	
Reverse Recovery Time (4)	t_{rr}		8		µs	


On-state voltage Vs.peak on-state current