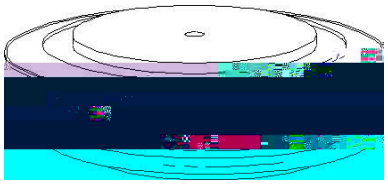
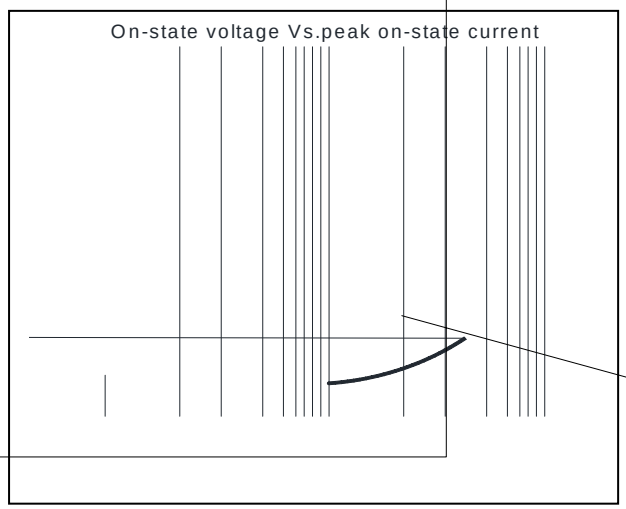
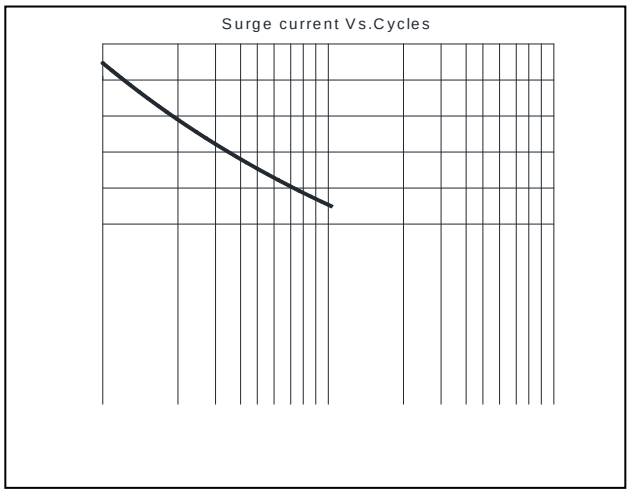


V_{RRM} = Repetitive peak reverse voltage
V_{RSM} = Non repetitive peak reverse voltage (2)

Repetitive peak reverse leakage current	I_{RRM}	50mA

Average forward current	$I_{F(AV)}$	1000	A	Sinewave 180°, Tc =70
RMS forward current	I_{FRMS}	1570	A	
Peak one cycle surge (non repetitive) current	I_{FSM}	15000	A	10 msec (50Hz), sinusoidal wave-shape, 180° conduction, Tj =125
I square t	I^2t	11.2×10^5	A^2s	8.3 msec and 10.0 msec
Peak forward voltage	V_{FM}	2.80	V	I_{FM}= 3000A; Duty cycle 0.01%
Threshold voltage	V_{FO}	1.30	V	Tj = 125
Slope resistance	r_F	0.45	mΩ	1000A to 3000A
Reverse Recovery Current (4)	$I_{RM(REC)}$	*	A	I_{FM} = 1- E


On-state voltage Vs.peak on-state current


Surge current Vs.Cycles