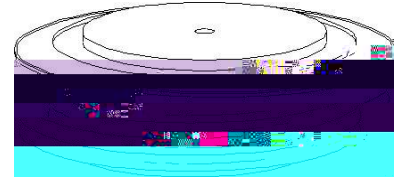


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Repetitive peak reverse leakage current	I_{RRM}	15 mA 100 mA (3)
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Average forward current	$I_{F(AV)}$	2000	A	Sinewave 180°, Tc =70
RMS forward current	I_{FRMS}	3140	A	
Peak one cycle surge (non repetitive) current	I_{FSM}	28000	A	10 msec (50Hz), sinusoidal wave-shape, 180° conduction, Tj =125
I square t	I^2t	$39.2 \cdot 10^5$	A ² s	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}	1.16	V	Tj=125°C, I=0.5 $I_{F(AV)}$ to 1.5 $I_{F(AV)}$
Slope resistance	r_F	0.20	m	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}	6	μs	

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On-state voltage Vs.peak

