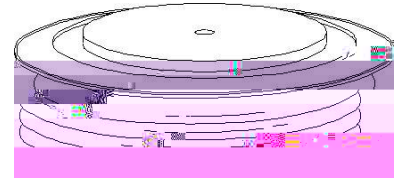


A



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

Repetitive peak reverse leakage current	I_{RRM}	10 mA 30 mA (3)
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Average forward current	$I_{F(AV)}$	640	A	Sinewave 180°, $T_c = 70$
RMS forward current	I_{FRMS}	1005	A	
Peak one cycle surge (non repetitive) current	I_{FSM}	11520	A	10 msec (50Hz), sinusoidal wave-shape, 180° conduction, $T_j = 125$
I square t	I^2t	$66.3 \cdot 10^4$	A ² s	8.3 msec and 10.0 msec
Peak forward voltage	V_{FM}	2.60	V	$I_{FM} = 1500A$; Duty cycle 0.01%
Threshold voltage	V_{FO}	1.38	V	$T_j = 125^\circ C, I = 0.5 I_{F(AV)}$ to $1.5 I_{F(AV)}$
Slope resistance	r_F	0.53	mΩ	$T_j = 125^\circ C, I = 0.5 I_{F(AV)}$ to $1.5 I_{F(AV)}$
Reverse Recovery Current (4)	$I_{RM(REC)}$	*	A	$I_{FM} = 1000$

