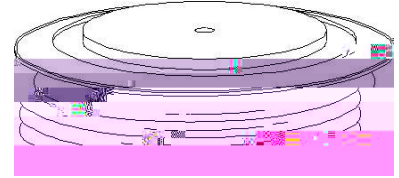


A



$V_{RRM}$  = 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°, Tc =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, Tj =125
I square t	$I^2t$	66.3 10 <sup>4</sup>	A <sup>2</sup> 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	Tj=125°C, I=0.5 $I_{F(AV)}$ to 1.5 $I_{F(AV)}$
Slope resistance	$r_F$	0.53	m	Tj=125°C, I=0.5 $I_{F(AV)}$ to 1.5 $I_{F(AV)}$
Reverse Recovery Current (4)	$I_{RM(REC)}$	*	A	$I_{FM}$ = 1000



