SHI LING®

ABSOLUTE MAXIMUM RATINGS(T_C=25° C unless otherwise specified)

Symbol	Parameter/Test Conditions		Values	Unit
V_R	Maximum D.C. Reverse Voltage		200	V
V_{RRM}	Maximum Repetitive Reverse Voltage			
$I_{F(AV)}$	Average Forward Current	T_C=100℃, Per Diode	400	A
		T_C=100℃, Per Moudle	800	
$I_{F(RMS)}$	RMS Forward Current	T_C=100℃, Per Diode	560	
I_{FSM}	Non Repetitive Surge Forward Current	T_J=45℃,t=10ms,Sine,peak value	3000	
		T_J=45℃,t=8.3ms,Sine,peak value	3300	

I

	W
	℃
	℃
	Nm
	Nm
	℃ /W
	g

3000

RR

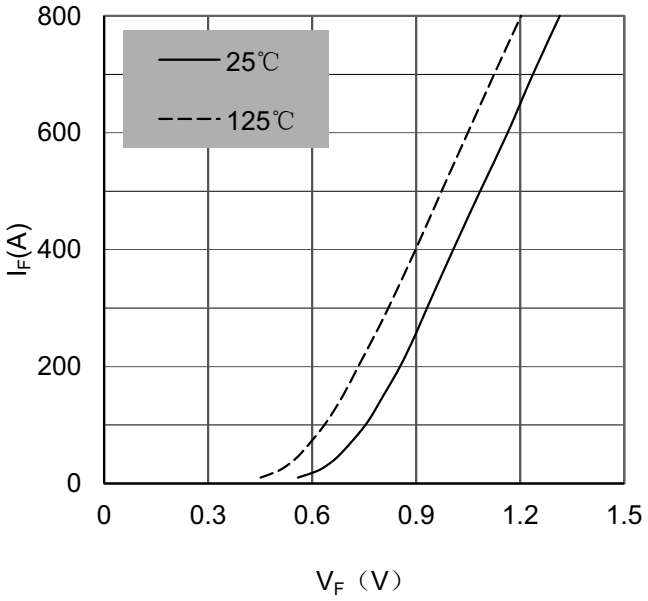


Figure 1. Forward Voltage Drop vs Forward Current

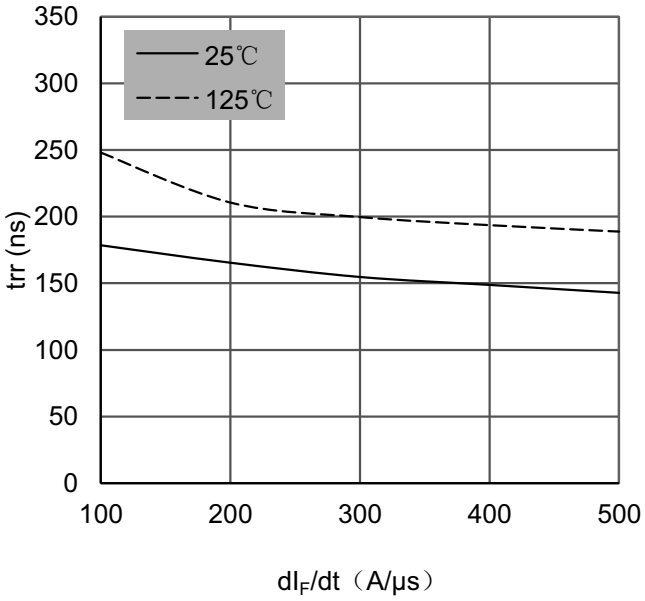


Figure 2. Reverse Recovery Time vs dI_F/dt

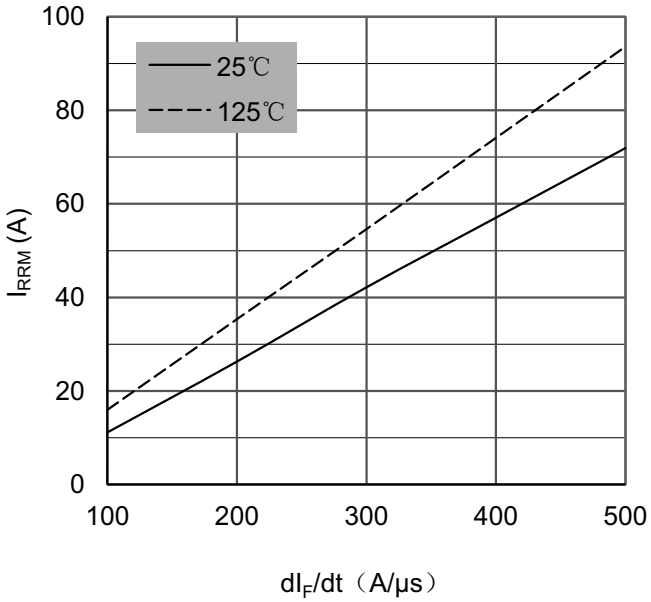


Figure 3. Reverse Recovery Current vs dI_F/dt

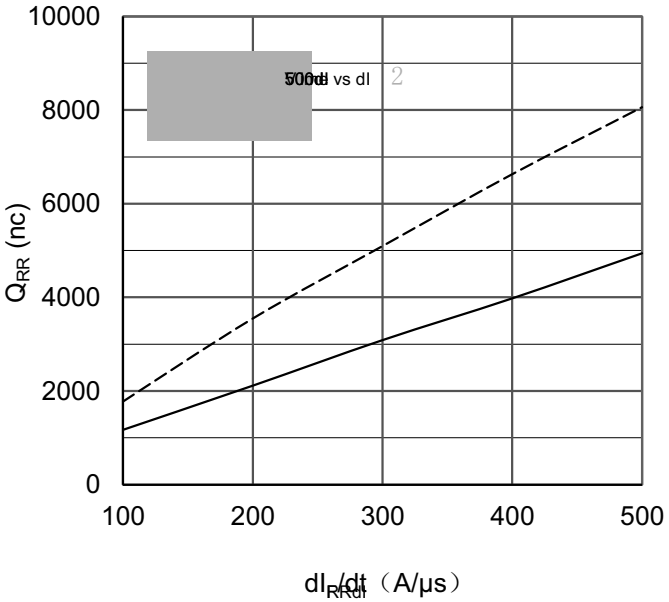
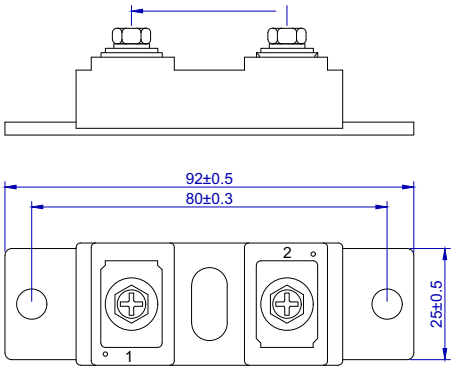


Figure 4. Reverse Recovery Charge vs dI_F/dt


92±0.5
80±0.3
2
1
25±0.5