

### Features

- Low power loss,high efficiency
- High reliability
- RoHS product



### Applications

- Switch power supply
- General circuits
- UPS



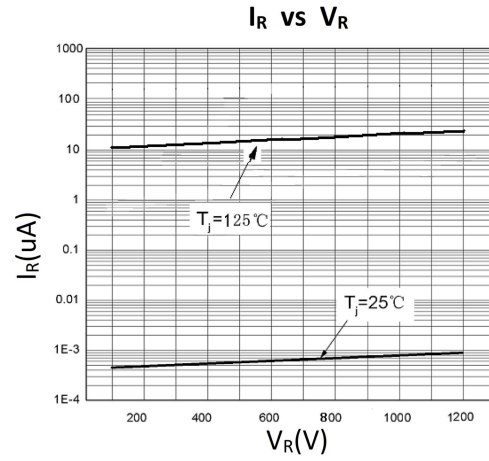
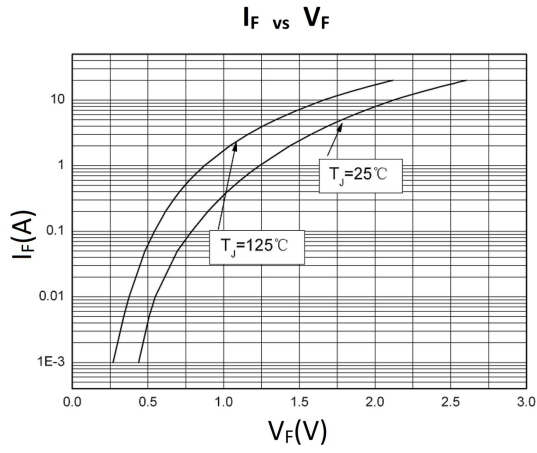
### Absolute Maximum Ratings(Tc=25°C)

Parameter	Symbol	Test Conditions	Values	Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$		1400	V
Average Output Current	$I_{F(AV)}$	$T_c=100^\circ\text{C}$	15	A
Peak one Cycle Surge Forward Current	$I_{FSM}$	Sine wave 10ms	150	A
power dissipation	$P_D$		100	W
Junction Temperature	$T_J$		-50 ~ 150	°C
Storage Temperature Range	$T_{STG}$		-50 ~ 150	
Thermal Resistance	$R_{\theta JC}$	Junction-to-Case	1.5	°C/W

### Electrical Characteristics(Tc=25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit	
Reverse Current	$I_{RRM}$	$V_R=V_{RRM}$	$T_j=25^\circ\text{C}$	-	-	50	$\mu\text{A}$
			$T_j=125^\circ\text{C}$	-	-	200	$\mu\text{A}$
Forward Voltage Drop	$V_{FM}$	$I_{FM}=15.0\text{A}$	$T_j=25^\circ\text{C}$	-	2.2	3.2	V
			$T_j=125^\circ\text{C}$	-	-	2.8	V
Reverse Recovery Time	$t_{rr}$	$I_F=1\text{A}, V_R=30\text{V}$ $diF/dt=-200\text{A}/\mu\text{s}$	-	40	60	ns	

### Electrical characteristics(Curves)



### Package outline dimension

