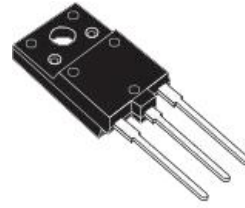


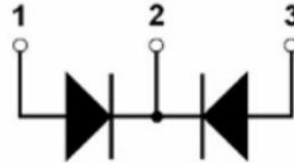
Features

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



Applications

- Switch Power Supply



Absolute Maximum Ratings

Parameter	Symbol	Test Conditions	Values	Unit
Maximum D.C. Reverse Voltage	V_R		400	V
Maximum Repetitive Reverse Voltage	V_{RRM}		400	
Average Forward Current	$I_{F(AV)}$	$T_C=100^\circ\text{C}$ @ Per diode	15	A
Average Forward Current	$I_{F(AV)}$	$T_C=100^\circ\text{C}$ @ Per device	30	
Non-Repetitive Surge Forward Current	I_{FSM}	$t=10\text{ms}$	210	
Junction Temperature	T_J		-55~150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}		-55~150	
Thermal Resistance	$R_{\theta JC}$	Junction-to-Case	1.3	$^\circ\text{C/W}$

Electrical Characteristics ($T_C=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Leakage Current	I_R	$T_j=25^\circ\text{C}, V_R=V_{RRM}$	-	-	50	μA
		$T_j=125^\circ\text{C}, V_R=V_{RRM}$	-	-	500	
Forward Voltage	V_F	$I_F=15\text{A}, T=25^\circ\text{C}$	-	1.2	1.7	V
		$I_F=15\text{A}, T=125^\circ\text{C}$	-		1.5	
Reverse Recovery Time	t_{rr}	$I_F=1\text{A}, V_R=30\text{V}, di/dt=-200\text{A}/\mu\text{s}$	-	30	45	ns

Package outline dimension

