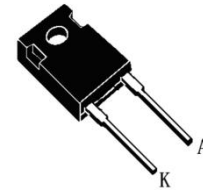


## Features

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

TO-2472L



## Applications

- Switch power supply
- Snubber diode
- Anti-parallel Diode for high frequency Switching devices
- UPS



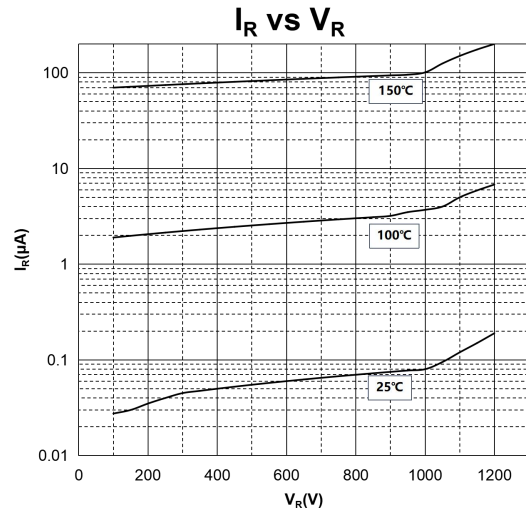
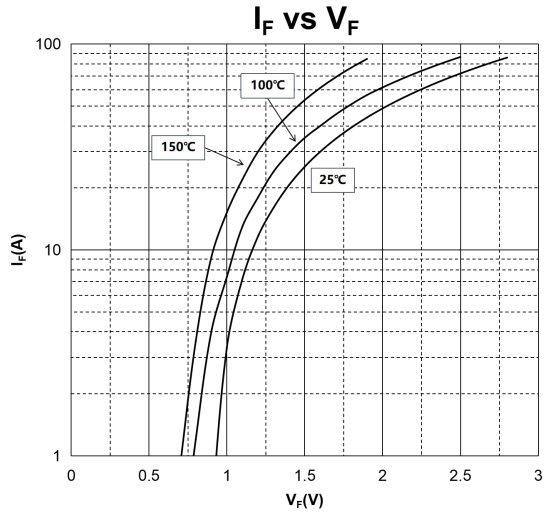
## Absolute Maximum Ratings(T<sub>c</sub>=25°C)

Parameter	Symbol	Test Conditions	Values	Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>		1200	V
Average Output Current	I <sub>F(AV)</sub>	T <sub>c</sub> =100°C	75	A
Peak one Cycle Surge Forward Current	I <sub>FSM</sub>	Sine wave 10ms	480	A
power dissipation	P <sub>D</sub>		312.5	W
Junction Temperature	T <sub>J</sub>		-50 ~ 150	°C
Storage Temperature Range	T <sub>STG</sub>		-50 ~ 150	
Thermal Resistance	R <sub>θJC</sub>	Junction-to-Case	0.4	°C/W

## Electrical Characteristics(T<sub>c</sub>=25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit	
Reverse Current	I <sub>RRM</sub>	V <sub>R</sub> =V <sub>RRM</sub>	T <sub>j</sub> =25°C	-	-	200	μA
			T <sub>j</sub> =125°C	-	-	1	mA
Forward Voltage Drop	V <sub>FM</sub>	I <sub>FM</sub> =30A	T <sub>j</sub> =25°C	-	1.65	1.8	V
			T <sub>j</sub> =125°C	-	1.35	1.5	V
Reverse Recovery Time	t <sub>rr</sub>	I <sub>F</sub> =1A, V <sub>R</sub> =30V diF/dt=-200A/us	-	45	90	ns	

**Electrical characteristics(Curves)**



**Package outline dimension**

