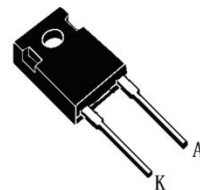


EST60SS120US

Features

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

TO-2472L



Applications

- Switching Power Supplies
- Snubber diode
- UPS
- Antiparalle Diode for high frequency Switching Devices



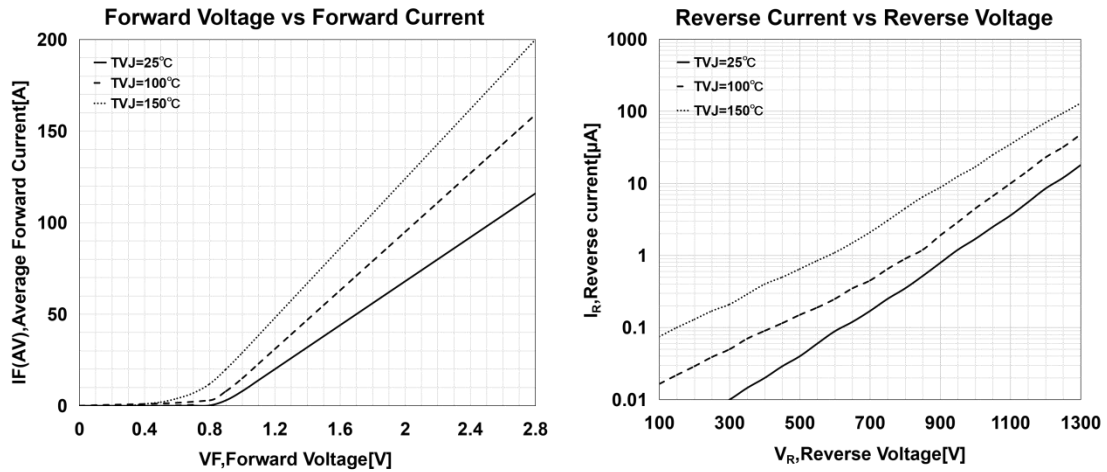
Absolute Maximum Ratings (T_C=25°C, Unless otherwise specified)

Symbol	Parameter	ratings	Unit
V _{RRM}	Repetitive peak reverse voltage @50μA	1200	V
I _{F(AV)}	Average forward current @T _C =25°C	120	A
	Average forward current @TC=100°C	60	A
I _{FSM}	Peak one Cycle Surge Forward @t=10ms	500	A
T _j	Junction Temperature	-55~+150	°C
T _{STG}	Storage temperature range	-55~+125	°C
P _D	Power Dissipation	278	W

Electrical Specifications (T_C=25°C, Unless otherwise specified)

Symbol	Parameter		Ratings			Unit
			Min	Typ	Max	
V _{RRM}	I _R =50μA		1200			V
I _R	T _j =25℃	V _R =V _{RRM}			200	μA
	T _j =125℃				1000	μA
V _F	T _j =25℃	I _F =60A	1.4	-	2.6	V
	T _j =125℃		1.1	-	2.2	V
T _{rr}	I _F =1A, V _R =30V, di _F /dt=-200A/μs			45	90	ns
R _{th(j-c)}	Thermal resistance from junction to case	TO-247-2L			0.45	℃/W

Typical Performance Curves



Package

