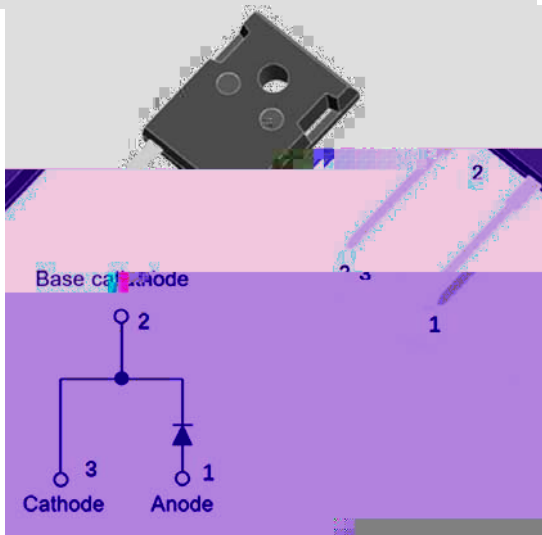


1. **RoHS COMPLIANT**
 2. **Unipolar device**
 3. **Maximum working temperature**
 4. **Zero forward recovery current**
 5. **Essentially no switching losses**
 6. **Reduction of heat sink requirements**
 7. **High-frequency operation**
 8. **Reduction of EMI**

9550	9
9550	9
9550	9



Typical Applications

Typical applications are in power factor correction (PFC) , solar inverter , uninterruptible power supply , motor drives , photovoltaic inverter , electric car and charger.

Mechanical Data

- Package : TO-247AC
- Terminals :Tin plated leads
- Polarity : As marked

Maximum Ratings ($T_J = 25^\circ\text{C}$) Unless otherwise specified

PARAMETER	SYMBOL	UNIT	VALUE
Reverse voltage (DC) @ $T_J = 25^\circ\text{C}$	V_{DC}	V	1200
Continuous forward current @ $T_J = 25^\circ\text{C}$	I_F	A	70
Continuous forward current @ $T_J = 35^\circ\text{C}$			33
Continuous forward current @ $T_J = 57^\circ\text{C}$			20
Non-repetitive peak forward surge current @ $T_c = 25^\circ\text{C}$, $t_p = 10\text{ms}$, Half Sine Wave	I_{FSM}	A	160
Power Dissipation @ $T_c = 25^\circ\text{C}$	P_{TOT}	W	319
Power Dissipation @ $T_c = 110^\circ\text{C}$			138

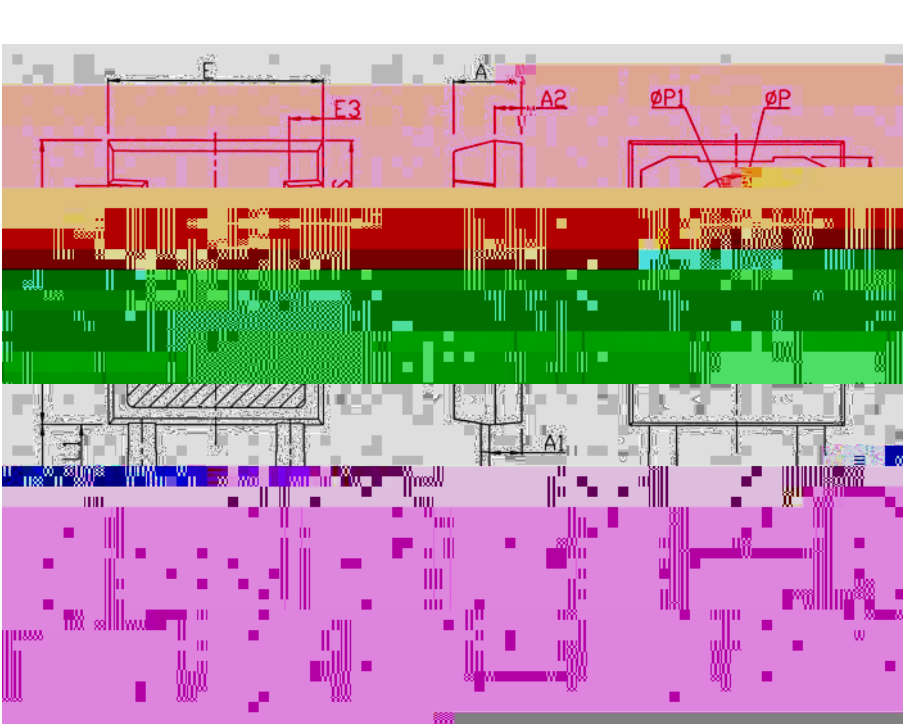


Electrical Characteristics

PARAMTETER	SYMBOL	UNIT	TEST CONDITIONS	Typ.	Max.
Forward voltage drop	V_F	V	$I_F = 20A, T_J = 25^{\circ}C$		



Outline Dimensions



TO247-AC		
Dim	Min	Max



Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronics Technology Co., Ltd. reserves the right to make changes without notice for the specification of products displayed herein to improve product quality and performance.