

■ Productor Character

- High efficiency.
- Soft recovery characteristics.
- Beautiful High Temperature Character.
- High Reliability.
- RoHs Product.

ITO-220AC

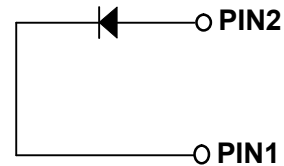


■ Primary Use

- High voltage high frequency switching mode power supplies.
- High voltage high frequency power factor correctors.

■ Summarize

- SFF1606A device optimized for recovery characteristics to improve efficiency in power supply applications.



Absolute Maximum Ratings

Item	Symbol	Data	Unit
Maximal Inverted Repetitive Peak Voltage	VRRM	600	V
*Average Rectified Forward Current (Rated VR-20Khz Square Wave) - 50% duty cycle	IFAV	16	A
Typical Thermal Resistance(per leg) Package =ITO-220AC	R _{θJc}	4	°C/W
MAX. Reverse Recovery Time(IF=0.5A IR=1.0A IREC=0.25A)	TRR	50	nS
Forward Peak Surge Current(Rated Load 8.3 Half Mssine Wave-According to JEDEC Method)	IFSM	135	A
Maximum Rate of Voltage Change (at Rated VR)	dv/dt	10000	V/uS
Peak Repetitive Reverse Surge Current (2uS-1Khz)	IRRM	0.5	A
Operating Junction Temperature	TJ	-40- +150	°C
Storage Temperature	TSTG	-40- +150	°C

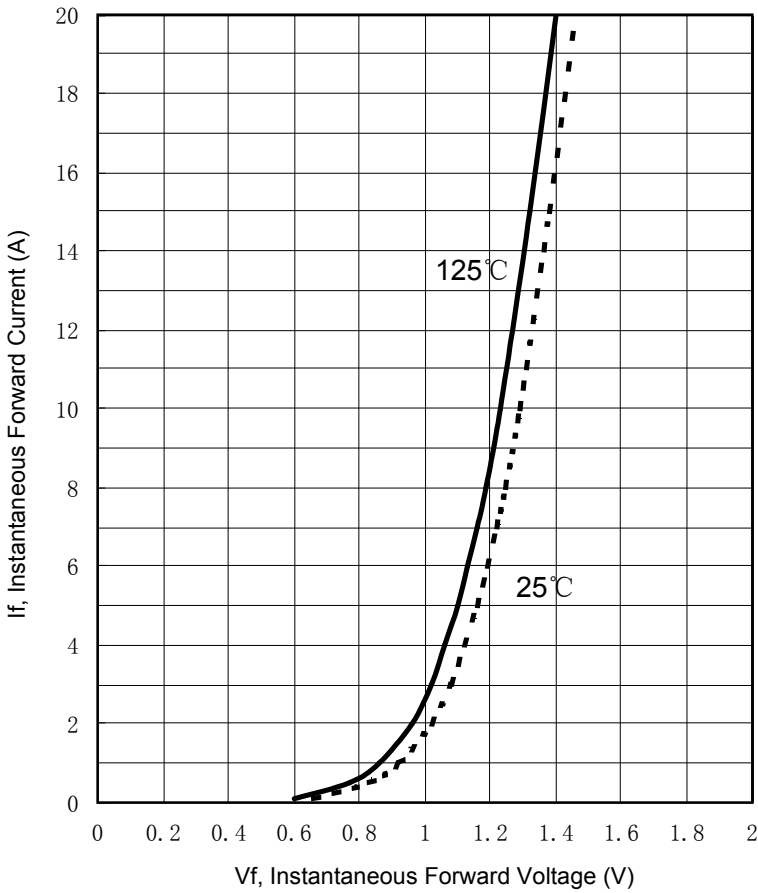
Electricity Character

Item	Test Condition		TYP.	MAX.	Unit
IR	TJ =25°C	VR=VRRM		0.05	mA
	TJ =125°C			25	mA
VF	TJ =25°C	IF=16A	1.4	1.7	V
	TJ =125°C	IF=16A		1.3	V

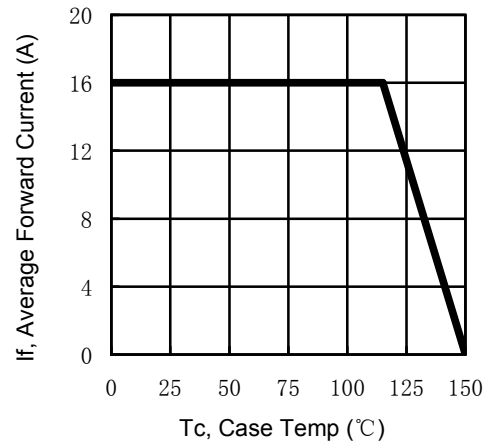
*IF(AV)= 16A×1

Characteristic Curves

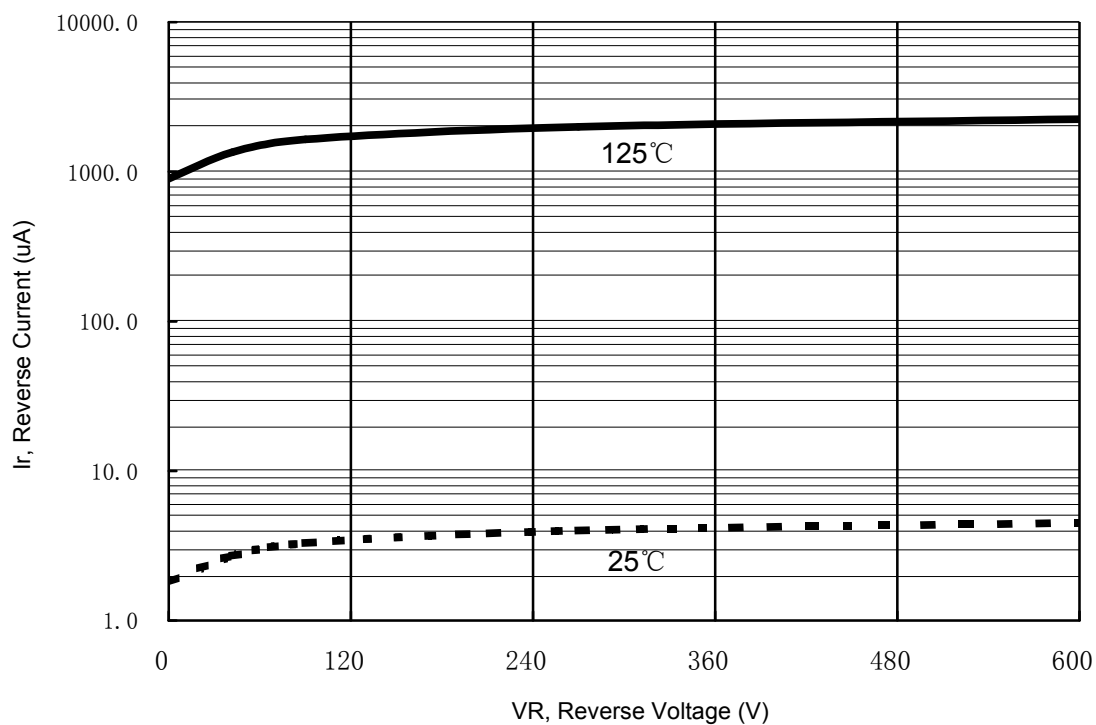
The forward voltage and forward current curve



Current derating curve, per element

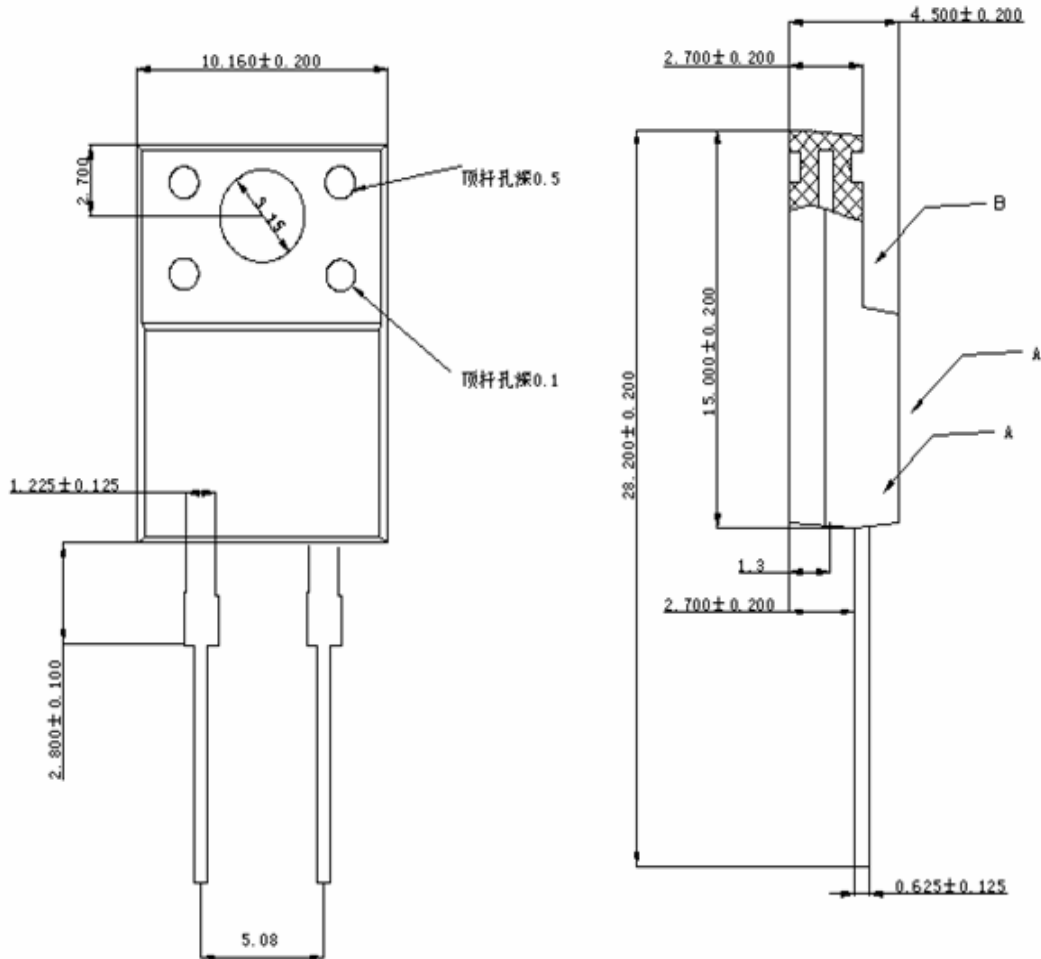


The reverse leak current and the reverse voltage (single-device) curve.



Package Outline Dimensions

ITO-220AC



Marking Information

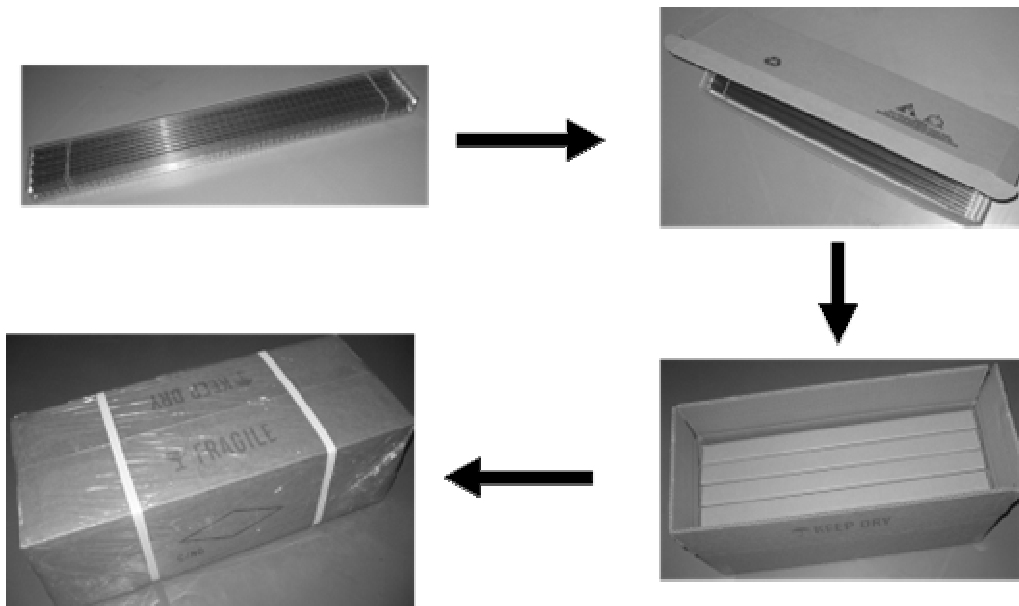


"MHCHXM"= Product Logo
 "SFF1606A"= Product Type Marking Code
 "YMXX"= Data Code Marking
 "Y"= Year Code
 "M"= Month Code
 "XX"= Series No.

Ordering Information

Part Number	Package	Halogen Free	Delivery Mode
SFF1606A	ITO-220AC	NO	50 pieces / tube

Packing Information



Part Number	Quantity	Size (mm)
tube	50 pieces	530*33*7
inner box	1000 pieces	558*150*40
outer container	5000 pieces	570*235*170

Notice:

Jiangyin Jintai Electronics Co. Ltd., have the right to modify the specification revision, all information are subject to change without notice.