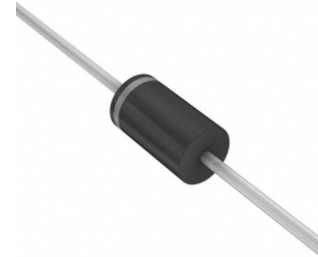


Plastic Fast Recover High Voltage Rectifier

FEATURES

- High Peak Reverse Voltage
- High reliability
- High speed switching
- High temperature soldering guaranteed: 270°C/10 seconds
- RoHS compliant

DO-210

**RoHS
COMPLIANT**
**HALOGEN
FREE
AVAILABLE**

MECHANICAL DATA

- Polarity: color band denotes cathode end
- Case material: plastic package has underwriters laboratory flammability classification 94V-0

TYPICAL APPLICATION

High voltage rectification for office equipment , high voltage power supply of TV,CRT display , and other applications.

MAXIMUM RATINGS

T_A=25°C unless otherwise noted

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	10	kV
Average Forward Current (50HZ half-sine wave, Resistance load T _A =25°C)	I _{F(AV)}	5	mA
Peak Forward Surge Current (50HZ half-sine wave, 1/2 cycle)	I _{FSM}	0.5	A
Operating Junction Temperature Range	T _J	-40 to +120	°C
Storage Temperature Range	T _{STG}	-40 to +120	°C

ELECTRICAL CHARACTERISTICS

T_A=25°C unless otherwise noted

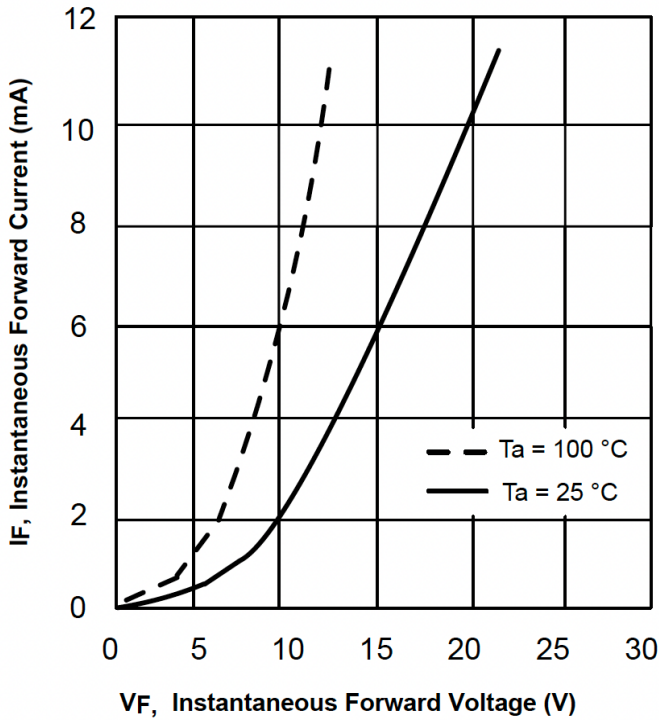
Parameter	Test Conditions	Symbol	Value	Unit
Forward Voltage@I _F =10mA	T _A =25°C	V _F	30	V
Reverse Current @ V _{RRM}	T _A =25°C	I _R	2	uA
	T _A =100°C		5	
Reverse Recovery Time @I _F =2mA, I _{rp} =4mA, 1mA recovery		T _{rr}	100	nS

Plastic Fast Recover High Voltage Rectifier

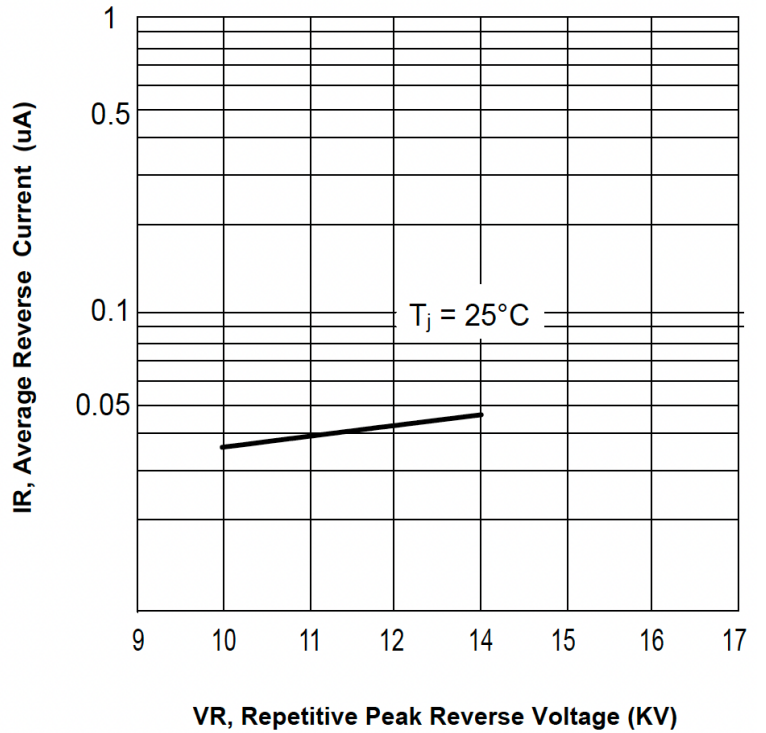
RATINGS AND CHARACTERISTIC CURVES

T_A=25°C unless otherwise noted

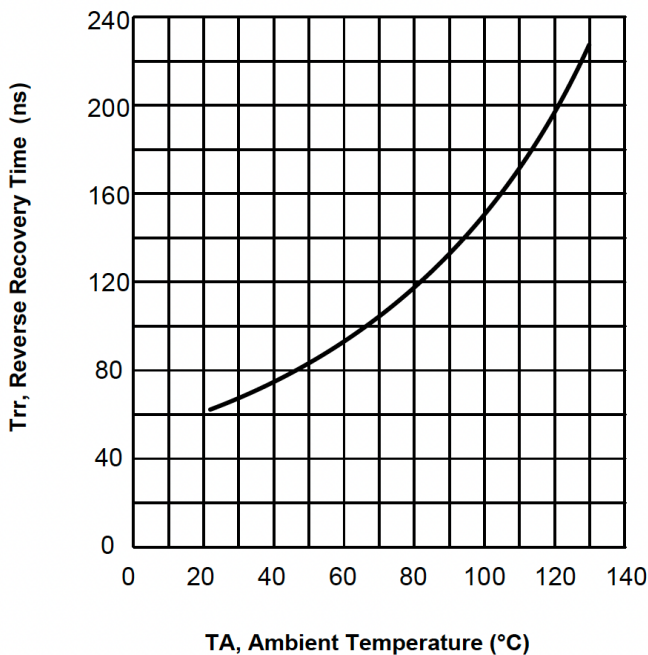
TYPICAL FORWARD CHARACTERISTIC



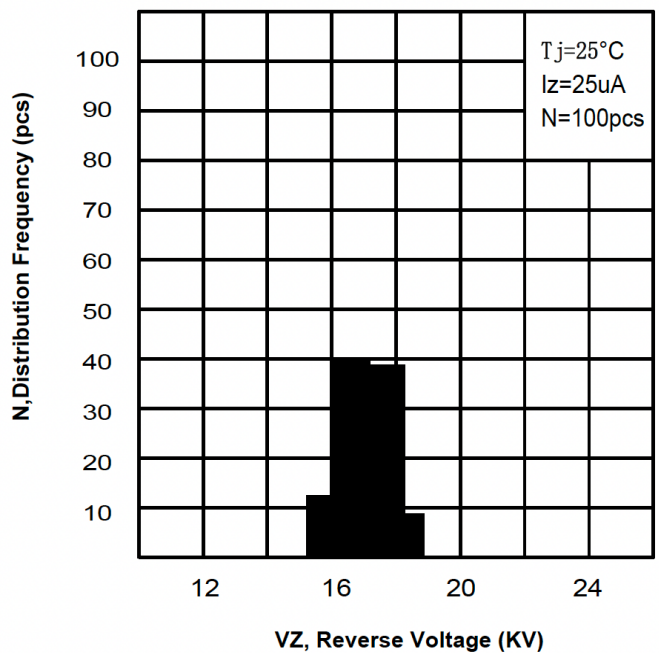
REVERSE CHARACTERISTIC



REVERSE RECOVERY TIME CHARACTERISTIC

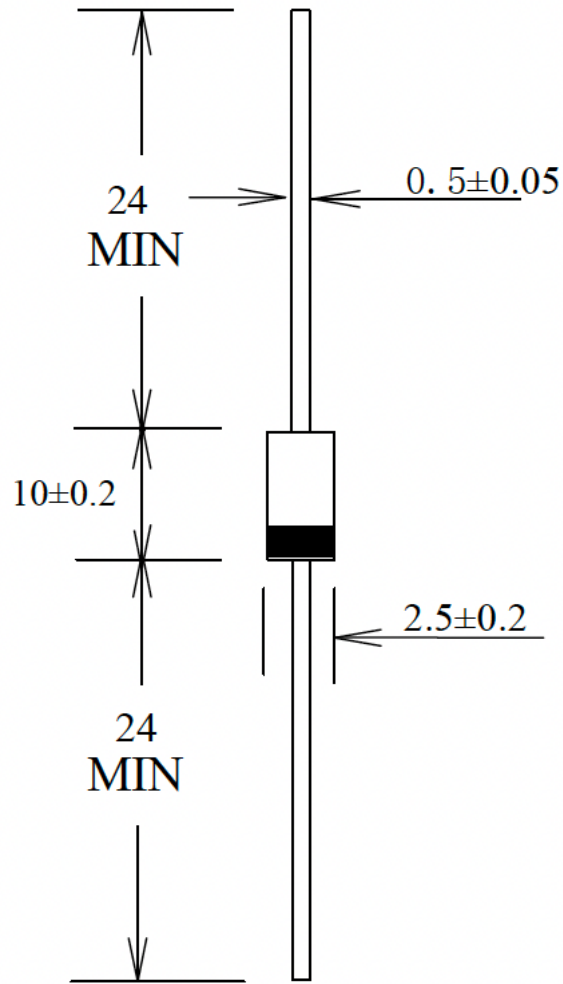


REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION



Plastic Fast Recover High Voltage Rectifier

PACKAGE OUTLINE DIMENSIONS



Unit: mm