

High voltage rectifier block adopts high reliable mesa structure and diffusion craft-work, epoxy resin molded in a compact structure.

■ Features

- Avalanche characteristic
- More sizes to choose
- epoxy
- Resin molded in vacuum, have anti-corrosion in the surface.
- Tj: -40°C—+150°C

■ Applications

- High voltage rectifier used in electrostatic cleaning
- High voltage generator
- High voltage testing equipment
- General purpose high voltage rectifier, voltage multiplier assembly

■ Maximum Rating

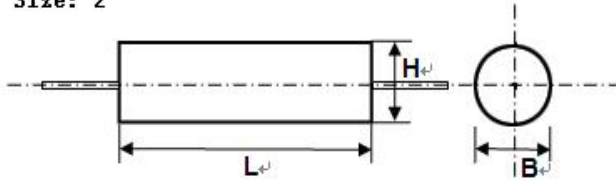
Item	Symbol	Unit	Conditions	Voltage	
Repetitive Peak Reverse Voltage	VRRM	KV	Ta=25°C IR=1.0μA	20.0	40.0
Non-Repetitive Peak Reverse Voltage	VRsM	KV	Ta=25°C IR=1.0μA	24.0	48.0
Average Forward Current	IF(AV)	mA	(50KHz Half-sine Wave , Resistance load @Tbreak=50°C)	200	200
Surge Forward Current	IFSM	A	0.01S @ Half-Sine wave 50Hz	20	20
Operating Ambient Temperature	Ta	°C		-40~+150	-40~+150
Reverse Recovery Time	trr	nS	IF=2mA IR=4mA IRR=1mA	100	100
Storage Temperature	T stg	°C		-40~+125	-40~+125

Electrical Characteristic(Ta= 25°C ,unless otherwise specified)

Forward Peak Voltage	VFM	V	@ Ta=25°C IF=0.2A	≥51	≥68
Peak Reverse Current	IRRM1	μA	@ Ta=25°C VRM=VRRM	2.0	2.0
	IRRM2	μA	@ Ta=100°C VRM=VRRM	20.0	20.0

■ **Dimensions (Unit: mm)**

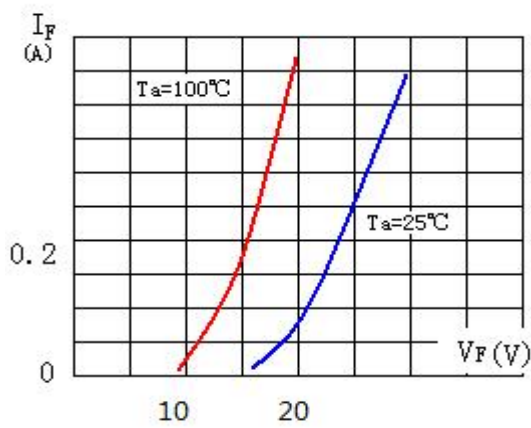
Size: 2



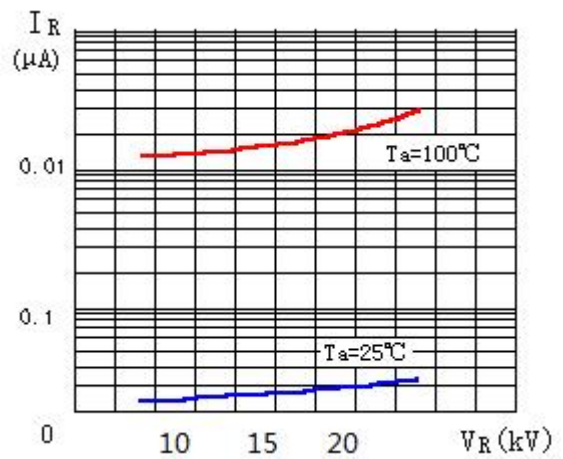
Item	L	B(H)	Axial Lead
2CLG20KV/0.2A	25	8	Dia 1.2mm
2CLG40KV/0.2A	60	8	Dia 1.2mm

Note: The size can be customized.

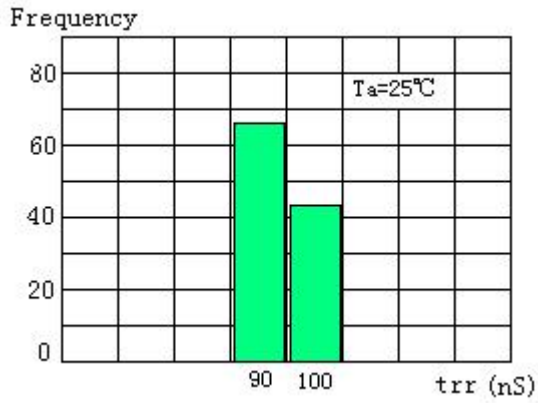
■ **Characteristic curve**



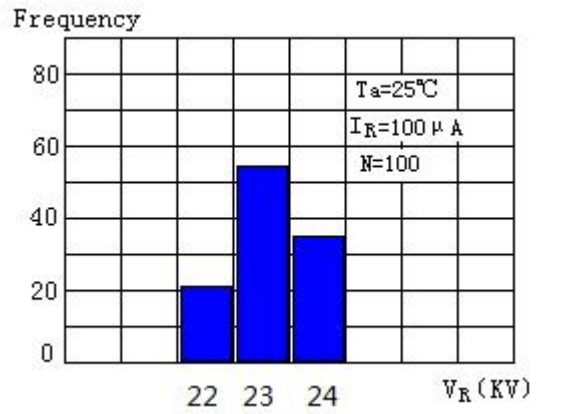
Forward Characteristics
(2CLG20KV/0.2A)



Reverse Characteristics
(2CLG20KV/0.2A)



Reverse Recovery Time Distribution
(2CLG20KV/0.2A)



Avalanche Break down Voltage Distribution
(2CLG20KV/0.2A)