

Data Sheet

P/N: YZPST-2CLG20KV/0.2A , 2CLG40KV/0.2A

High voltage rectifier block adopts high reliable mesa structure and diffusion craft-work.

■ Features

- High reliability
- High speed switching
- epoxy
- Tj: -40℃—+150℃

■ Applications

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

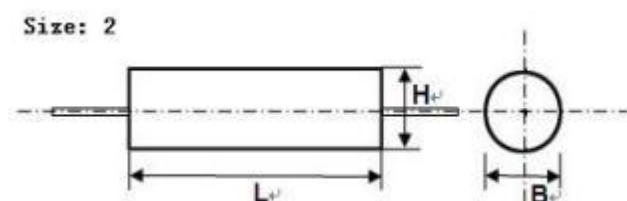
■ Maximum Rating

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

Electrical Characteristic(Ta= 25℃ ,unless otherwise specified)

Forward Peak Voltage	V _{FM}	V	@ Ta=25℃ IF=0.2A	≥51	≥68
Peak Reverse Current	IRRM1	μA	@ Ta=25℃ V _{RM} =V _{RRM}	2.0	2.0
	IRRM2	μA	@ Ta=100℃ V _{RM} =V _{RRM}	20.0	20.0

■ Dimensions (Unit: mm)



Item	L	B(H)	Axial Lead
2CLG20KV/0.2A	22	7.4	Dia 1.2mm
2CLG40KV/0.2A	22	7.4	Dia 1.2mm