

P/N: YZPST-2CL2FR **Data Sheet**

2CL2FR High voltage rectifier diodes Series adopts high reliable mesa structure and diffusion craft work, epoxy resin molded in a compact structure.

■ Feature

- Avalanche characteristic
- More sizes to choose
- Epoxy resin molded in vacuum ,have anti-corrosion in the surface
- Tj: -40℃—+150℃

■ Application

- High voltage generator
- High voltage doubling equipment
- General purpose high voltage rectifier,
- High voltage multiplier assembly

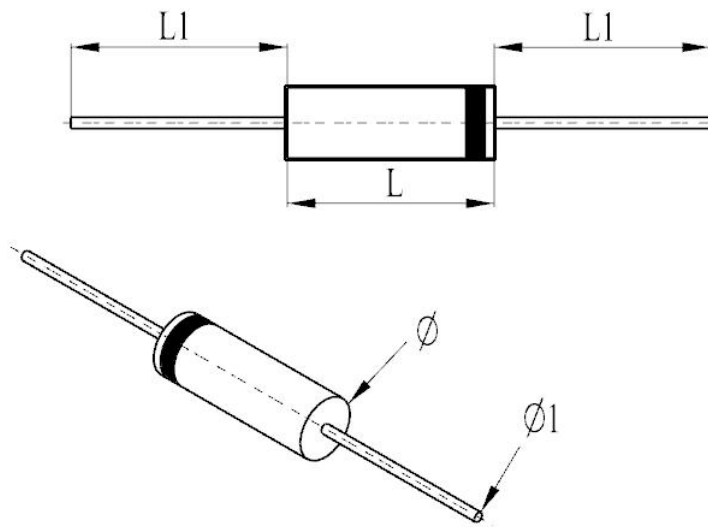
■ Maximum ratings

Item	Symbol	Unit	Conditions	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	KV	$T_a=25^{\circ}\text{C}$ $I_R=0.02\mu\text{A}$	35.0
Average Forward Current	$I_{F(AV)}$	mA	50Hz Half-sine Wave Resistance load @ $T_{break}=50^{\circ}\text{C}$	100
Reverse Recovery Time	t_{rr}	nS	$I_F=2\text{mA}$ $I_R=4\text{mA}$ $I_{RR}=1\text{mA}$	100
Surge Forward Current	I_{FSM}	A	0.01S @ Half-Sine wave 50Hz	15
Operating Ambient Temperature	T_a	℃		-40~+125
Storage Temperature	T_{stg}	℃		-40~+125

■ Electrical characteristics ($T_a=25^{\circ}\text{C}$ unless otherwise specified)

Forward Peak Voltage	V_{FM}	V	@ $T_a=25^{\circ}\text{C}$ $I_F=0.1\text{A}$	≥ 50
Peak Reverse Current	I_{RRM1}	μA	@ $T_a=25^{\circ}\text{C}$ $V_{RM}=V_{RRM}$	2.0max
	I_{RRM2}	μA	@ $T_a=100^{\circ}\text{C}$ $V_{RM}=V_{RRM}$	20max

■ Dimensions(Unit: mm)



2CL2FR	Dia. (Φ)	L	$\Phi1$	L1
Fig①	4.2	15	0.8	>20