

Data Sheet

2CL2FL

High voltage rectifier diodes 2CL2FLSeries adopts high reliable mesa structure and diffusion craftwork, 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

- Monitor FBT, negative ion generator, air cleaner
- VTR camera high voltage power supply
- Electrostatic coating 、flocking, high voltage generator
- small X-ray machines, electric batons and others

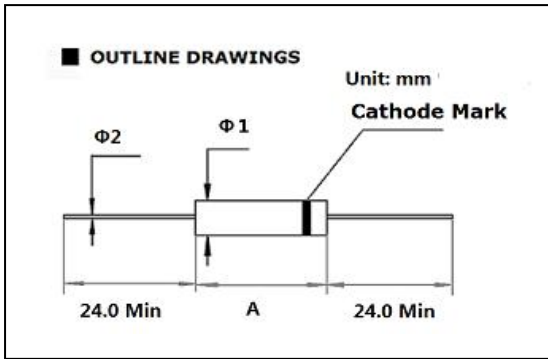
Maximum ratings

Parameters	Symbol	Test Conditions	2CL2											Unit
			FD	FE	FF	FG	FH	FJ	FK	FL	FM	FP	FR	
Repetitive Peak Reverse Voltage	V_{RRM}	Ta=25℃ I _R =0.5μA	4	6	8	10	12	15	10	15	20	30	35	kV
Average Forward Current	I _O		200		60			100					mA	
Surge Forward Current	I _{FSM}	50Hz Half-sine Wave , Resistance load @T _{break} =50℃	15											A
Junction Operating Temperature	T _j	Half-sine wave peak voltage	125											℃
Operating Ambient Temperature	T _c		100											℃
Storage Temperature	T _{stg}		-40—120											℃

Electrical characteristics

Rated Value	Sign	Condition	2CL2											Unit
			FD	FE	FF	FG	FH	FJ	FK	FL	FM	FP	FR	
Forward Peak Voltage Max	V	I _F =200mA	13	18										V
		I _F =60mA			16	18	20	24						
		I _F =100mA							22	26	35	45	50	
Reverse Recovery Time Max	T _{rr}	I _F =2mA I _R =4mA	80/ 100											nS
Peak Reverse Current	I _{R1}	V _R =V _{RRM} , 25℃	2.0											μA
	I _{R2}	V _R =V _{RRM} , 100℃	15.0											μA
Junction capacitance Max	C _j		10											pF

Dimension(mm)



Type	A	$\Phi 1$	$\Phi 2$
2CL2FD	15	4.5	1.0/1.2
2CL2FE			
2CL2FF			
2CL2FG			
2CL2FH			
2CL2FJ			
2CL2FK			
2CL2FL			
2CL2FM			
2CL2FP			
2CL2FR			