

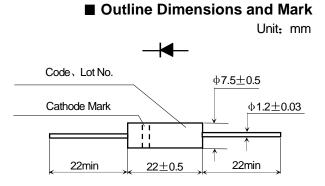
2CL4509H 2CL4512H High Voltage Diodes for Micro-Wave Oven

Features

- I_{F (AV)} 450mA
- V_{RRM} 9kV ,12kV
- High reliability

Applications

• Rectification for high voltage power supply of magnetron in Micro wave oven and others



Туре	Code	Cathode Mark
2CL4509H	T4509H	
2CL4512H	T4512H	

Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit		2CL4509H	2CL4512H
Repetitive Peak Reverse Voltage	V _{RRM}	kV	9		12
Average Forward Current	I _{F(AV)}	mA	450	(50HzHalf-sine wave, Resistance load, T_a \!	
Forward Surge Current	I _{FSM}	А	30	$(50H_z$ Half-sine wave, T _a =25 $^{\circ}$ C $)$	
Reverse Surge Current	I _{RSM}	mA	100	(W _P =1ms, Rectangular-wave, One-shot, T _a =25 $^\circ\!\!\mathbb{C}$)	
Virtual Junction Temperature	T _(vj)	°C		130	
Storage Temperature	T _{stg}	°C	-40 ~ +130		

* Cooling Requirement: Cathode terminal is fastened to radiating fin that size is more than 50mm×50mm×0.6mm Wind-cooled velocity is more than 0.5m/s

■ Electrical Characteristics (T _a =25°C	Unless otherwise specified)
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ltem	Symbol	Unit	Test Condition	2CL4509H	2CL4512H
Peak Forward Voltage	V _{FM}	V	I _{FM} =450mA	≪10	≪12
Peak Reverse Current	I _{RRM1}	μA	V _{RM} =V _{RRM}	≪5	
valanche Breakdown Voltag	V (BR)	kV	I _R =100 μ A	≥9.5	≥12.5



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