

High Voltage Plastic Diode

Reverse Voltage 12kV

Forward Current 350mA

■ Features

- Low VF
- High surge proof resistivity
- High reliability design

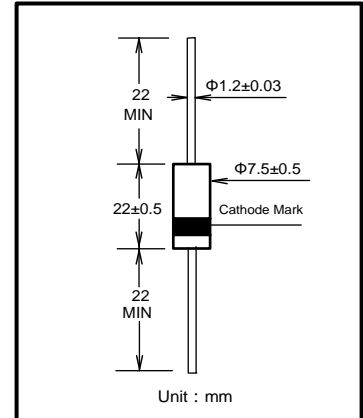
■ Applications

- Rectification for Microwave oven high voltage power supply

■ Maximum Ratings and Characteristics

- Absolute Maximum Ratings

■ Outline Drawings



■ Cathode Mark

Type	Mark
CL01-12	

Item	Symbols	Conditions	CL01-12	Unit
Repetitive Peak Reverse Voltage	V_{RRM}		12	kV
Average Output Current	$I_{F(AV)}$	50HzSine half-wave average value. $T_a \leq 60$	350	mA
Non-repetitive Surge Current	I_{FSM}	50HzSine half-wave peak value. one-shot $T_a = 25$	30	A
Junction Temperature	T_j		130	
Allowable Operation Case Temperature	T_a		130	
Storage Temperature	T_{stg}		-40 to 130	

- Electrical Characteristics ($T_a = 25$ Unless otherwise specified)

Item	Symbols	Conditions	CL01-12	Unit
Maximum Forward Voltage Drop	V_F	$I_F = 350mA$	10	V
Maximum Reverse Current	I_R	$V_R = 12kV$	5	μA
Minimum Avalanche Breakdown Voltage	$V_{R(AV)}$	$I_R = 100\mu A$	12.5	kV