

### High Voltage Plastic Diode

Reverse Voltage 12kV

Forward Current 350mA

#### ■ Features

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

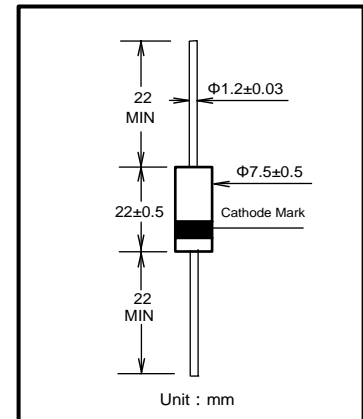
#### ■ Applications

- 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	$\mu A$
Minimum Avalanche Breakdown Voltage	$V_{R(AV)}$	$I_R = 100\mu A$	12.5	kV