Hio®

CL01-12(12kV/350mA)

High Voltage Plastic Diode

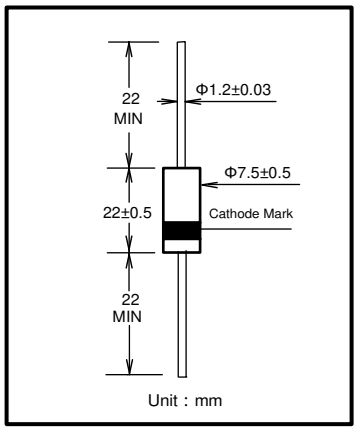
Reverse Voltage 12kV

Forward Current 350mA

■ Features

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

■ Outline Drawings



■ Applications

- Rectification for Microwave oven high voltage power supply

■ Cathode Mark

Type	Mark
CL01-12	

■ Maximum Ratings and Characteristics

- Absolute Maximum Ratings

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

- Electeical Characteristics(Ta=25 Unless otherwise specifited)

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=100μA	12.5	kV