

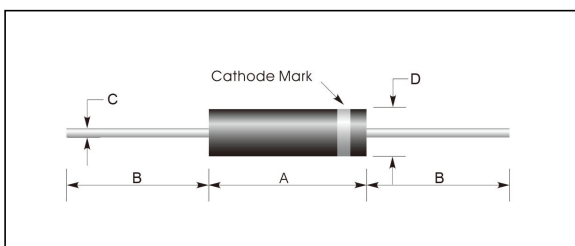
### CL01-12 High Voltage Diode



#### FEATURES

- Low leakage, high surge capability
- High voltage, fast recovery rectifier
- T<sub>j</sub>: -40°C ~ +150°C
- Polyimide passivation technology
- Epoxy resin molding, compact encapsulation
- ROHS compliant

DEVICE ELECTRICAL CHARACTERISTICS (25°C ambient temperature unless stated otherwise)	CONDITIONS	SYMBOL	CL01-12
Repetitive Peak Reverse Voltage		V <sub>RRM</sub>	12KV
Average Forward Current		I <sub>AV</sub>	350mA
Non-Repetitive Peak Forward Current		I <sub>FSM</sub>	30A
Allowable Junction Temperature		T <sub>j</sub>	130°C
Storage Temperature Range		T <sub>stg</sub>	-40~130°C
Maximum Forward Voltage Drop	I <sub>F</sub> =350mA , T <sub>a</sub> =25 °C	V <sub>F</sub>	12.0V
Maximum Reverse Recovery Time	I <sub>F</sub> =2mA I <sub>R</sub> =4mA	trr	--
Maximum Reverse Current	V <sub>R</sub> =V <sub>RRM</sub> , T <sub>a</sub> =25 °C	I <sub>R1</sub>	5.0μA



SYMBOL	CL01-12 ( Unit : mm )
A	22.0
D	Φ7.5
B	20
C	Φ1.2