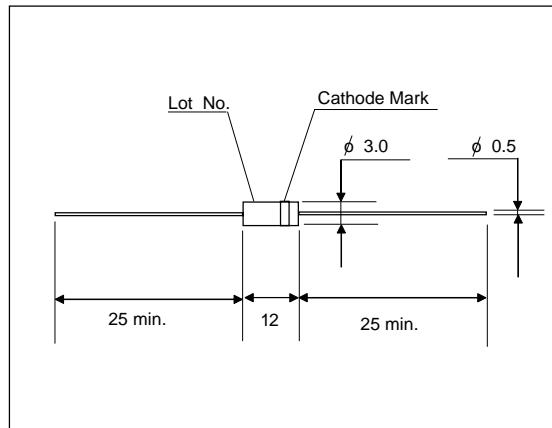


VOLTAGE RANGE: 30 KV
CURRENT: 5.0 mA
Features

- High speed switching
- Low VF
- High surge resistivity for CRT discharge
- High reliability design
- Ultra small pakage

Applications

- X light Power supply
- Laser
- Voltage doubler circuit
- Microwave emission power


Outline Drawings : mm

Maximum Ratings and Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbols	2CL82		Units
Repetitive Peak Renerse Voltage	V_{RRM}	30		kV
Average Output Current $T_a=25^\circ\text{C}$, Resistive Load	I_o	5.0		mA
Suege Current	I_{FSM}	0.5		A
Maximum Forward Voltage Drop at 25°C , $I_F = I_{F(AV)}$	V_F	55		V
Maximum Reverse Current at 25°C	V_{RRM}	2.0		uA
at 100°C		5.0		uA
Maximum Reverse Recovery Time at 25°C	T_{rr}	100		nS
Junction Capacitance at 25°C , $V_R=0\text{V}$, $f=1\text{MHz}$	C_j	1.0		pF
Junction Temperature	T_j	125		$^\circ\text{C}$
Allowable Operation Case Temperature	T_c	125		$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to +125		$^\circ\text{C}$