

**VOLTAGE RANGE: 30 kV**  
**CURRENT: 100mA**

### Features

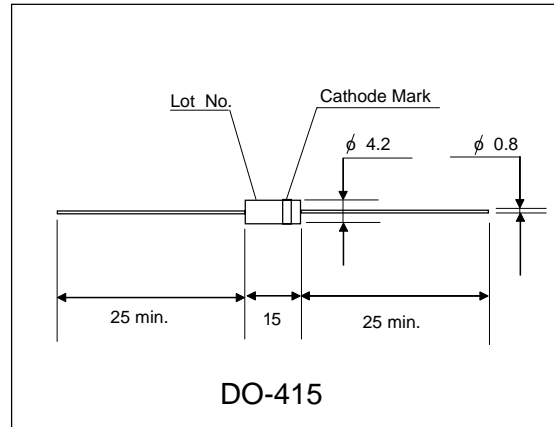
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

### Applications

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



### Outline Drawings : mm



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

Characteristic	Symbols	2CL2FP	Units
Repetitive Peak Reverse Voltage	$V_{RRM}$	30	kV
Average Output Current Ta=25°C, Resistive Load	$I_o$	100	mA
Suege Current	$I_{FSM}$	10	$A_{peak}$
Junction Temperature	$T_j$	125	°C
Allowable Operation Case Temperature	$T_c$	125	°C
Storage Temperature	$T_{stg}$	-40 to +125	°C
Maximum Forward Voltage Drop at 25°C, $I_F = 100\text{mA}$	$V_F$	52	V
Maximum Reverse Current at 25°C, $V_R = V_{RRM}$ at 100°C, $V_R = V_{RRM}$	IR1	2.0	uA
	IR2	50	uA
Maximum Reverse Recovery Time at 25°C	$T_{rr}$	100	nS
Junction Capacitance at 25°C, $V_R = 0\text{V}$ , $f = 1\text{MHz}$	$C_j$	15	pF