

**VOLTAGE RANGE: 10 KV**  
**CURRENT: 100mA**

### Features

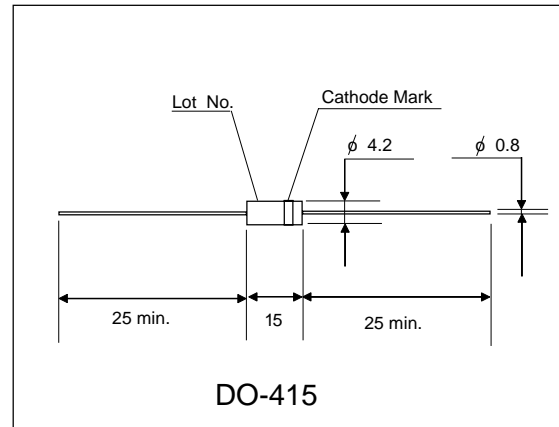
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

### Applications

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



### Outline Drawings : mm



### Maximum Ratings and Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise specified

Characteristic	Symbols	2CL2FK	Units
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	10	kV
Average Output Current T <sub>a</sub> =25°C, Resistive Load	I <sub>o</sub>	100	mA
Surge Current	I <sub>FSM</sub>	10	A
Maximum Forward Voltage Drop at 25°C, I <sub>F</sub> = 100mA	V <sub>F</sub>	22	V
Maximum Reverse Current at 25°C at 100°C	V <sub>RRM</sub>	2.0	uA
		50	uA
Maximum Reverse Recovery Time at 25°C	T <sub>rr</sub>	100	nS
Junction Capacitance at 25°C, V <sub>R</sub> =0V, f=1MHz	C <sub>j</sub>	15	pF
Junction Temperature	T <sub>j</sub>	125	°C
Allowable Operation Case Temperature	T <sub>c</sub>	125	°C
Storage Temperature	T <sub>stg</sub>	-40 to +125	°C