

**VOLTAGE RANGE: 8KV**  
**CURRENT: 100mA**

### Features

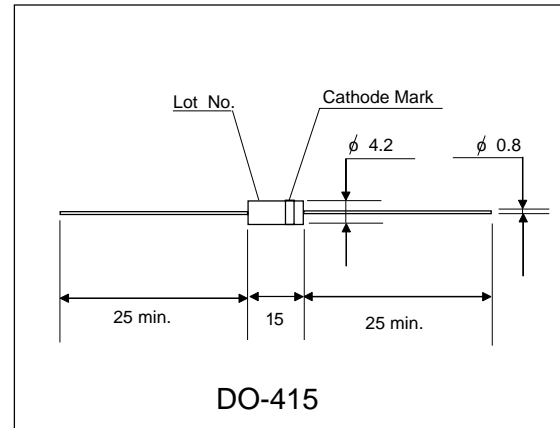
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

### 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	2CL2F	Units	
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	8	kV	
Average Output Current Ta=25°C, Resistive Load	I <sub>O</sub>	100	mA	
Surge Current	I <sub>FSM</sub>	20	A	
Maximum Forward Voltage Drop at 25°C, I <sub>F</sub> = 100mA	V <sub>F</sub>	10	V	
Maximum Reverse Current	V <sub>RRM</sub>	at 25°C	2.0	uA
		at 100°C	40	uA
Maximum Reverse Recovery Time at 25°C	T <sub>rr</sub>	-	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	