

**VOLTAGE RANGE: 18KV**
**CURRENT: 5.0 mA**

### 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



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

| Characteristic  | Symbols   | 2CL76       |  | Units            |
|---|-----------|-------------|--|------------------|
| Repetitive Peak Reverse Voltage   | $V_{RRM}$ | 18          |  | kV               |
| Average Output Current<br>$T_a=25^\circ\text{C}$ , Resistive Load                 | $I_o$     | 5.0         |  | mA               |
| Surge Current   | $I_{FSM}$ | 0.5         |  | A                |
| Maximum Forward Voltage Drop<br>at $25^\circ\text{C}$ , $I_F = I_{F(AV)}$         | $V_F$     | 45          |  | V                |
| Maximum Reverse Current<br>at $25^\circ\text{C}$                                  | $V_{RRM}$ | 2.0         |  | uA               |
| at $100^\circ\text{C}$  |           | 5.0         |  | uA               |
| Maximum Reverse Recovery Time<br>at $25^\circ\text{C}$                            | $T_{rr}$  | 100         |  | nS               |
| Junction Capacitance<br>at $25^\circ\text{C}$ , $V_R=0\text{V}$ , $f=1\text{MHz}$ | $C_j$     | 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 |  | $^\circ\text{C}$ |

### Outline Drawings : mm

