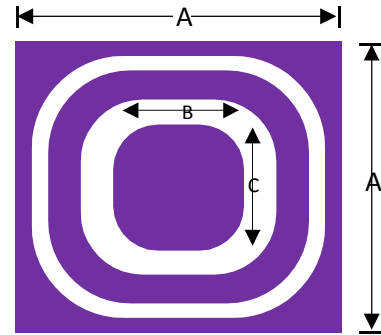


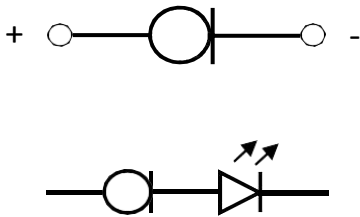
CRD is diode which supplies constant current to an electric circuit, even when power supply voltage fluctuations or load impedance fluctuations occur. CRD is used for current stabilization and current limiting.

Mechanical Date

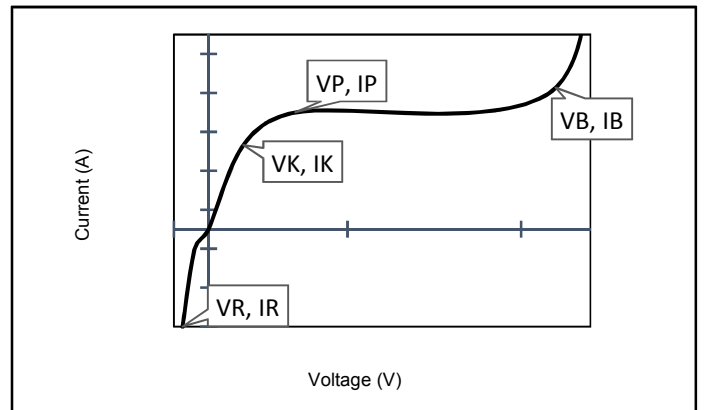
| Item | Dimensions | |
|------------------------|------------|------|
| | um | mil |
| Die Thickness | 230 | 9.1 |
| Die Size (A) | 600 | 23.6 |
| Positive Backside Size | 600 | 23.6 |
| Negative Pad Size (B) | 160 | 6.3 |
| Negative Pad Size (C) | 180 | 7.1 |
| Scribe Line Width | 60 | 2.4 |
| Other Information | | |
| Wafer Size | 6 inch | |
| Top Metal | Al | |
| Back Side Metal | Ag | |



Circuit Symbol



VI Curve



Electrical Characteristics

| Part Number | I _P | | V _K | V _B | P _D | T _J | T _{STG} | Top Metal |
|-------------|----------------|-----|----------------|----------------|----------------|----------------|------------------|-----------|
| | mA | | V | V | W | °C | °C | |
| | MIN | MAX | MAX | MAX | | MIN | MAX | |
| YW1001A1.5 | 1 | 2 | 3 | 100 | 1.8 | -55 to 150 | -55 to 150 | Al |
| YW1001A2.5 | 2 | 3 | 3 | 100 | 1.8 | -55 to 150 | -55 to 150 | Al |
| YW1001A3.5 | 3 | 4 | 5 | 100 | 1.8 | -55 to 150 | -55 to 150 | Al |
| YW1001A4.5 | 4 | 5 | 5 | 100 | 1.8 | -55 to 150 | -55 to 150 | Al |
| YW1001A5.5 | 5 | 6 | 5 | 100 | 1.8 | -55 to 150 | -55 to 150 | Al |
| YW1001A6.5 | 6 | 7 | 5 | 100 | 1.8 | -55 to 150 | -55 to 150 | Al |
| YW1001A10 | 7 | 13 | 8 | 100 | 1.8 | -55 to 150 | -55 to 150 | Al |
| YW1001A20 | 17 | 23 | 8 | 100 | 1.8 | -55 to 150 | -55 to 150 | Al |