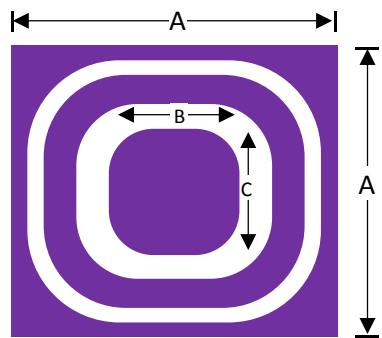
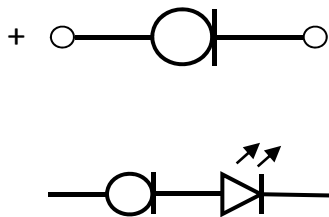
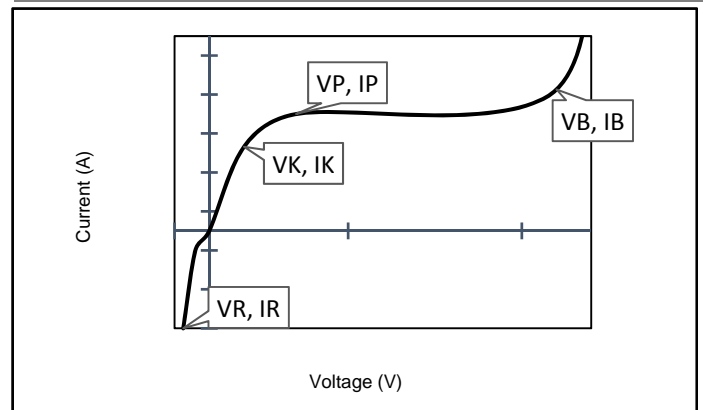


CRD is diode which supplies constant current to an electric circuit, even when power supply voltage fluctuations or load impedance fluctuations occur. CRD is used for current stabilization and current limiting.

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			
	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