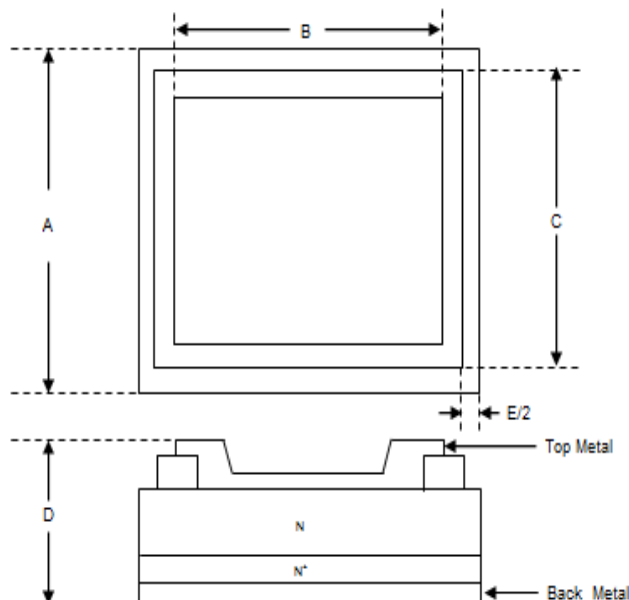


### Planar MOS-Controlled Diode Wafer (PMCD)



Item	Dimensions	
	um	mil
Die Size (A)	1573	62
Top Metal Pad Size (B)	1350	53.1
Passivation Seal (C)	1503	59.2
Wafer Thickness (D)	260	10.2
Scribe Line Width (E)	70	2.76
Other Informations		
Wafer Size	6"	
Gross Die	6450	
Top Metal	Al	
Back Metal	Ag	

### Electrical Characteristics @TA=25 °C

Item	Symbol	Spec. Limit	Die Sort	Unit
Maximum Repetitive Peak Reverse Voltage @0.05mA	$V_{RRM}$	300	315	V
Maximum Average Forward Rectified Current	$I_o$	5	-	A
Forward Voltage Drop, @ $I_F=3A$ @ $I_F=5A$	$V_F$	0.87 0.90	0.86 - -	V
Maximum Reverse Current at Rated $V_{RRM}$	$I_R$	1	0.5	$\mu A$
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	$I_{FSM}$	80	-	A
Operating Temperature Range	$T_J$	-50 to +175	-	°C
Storage Temperature Range	$T_{STG}$	-50 to +175	-	°C