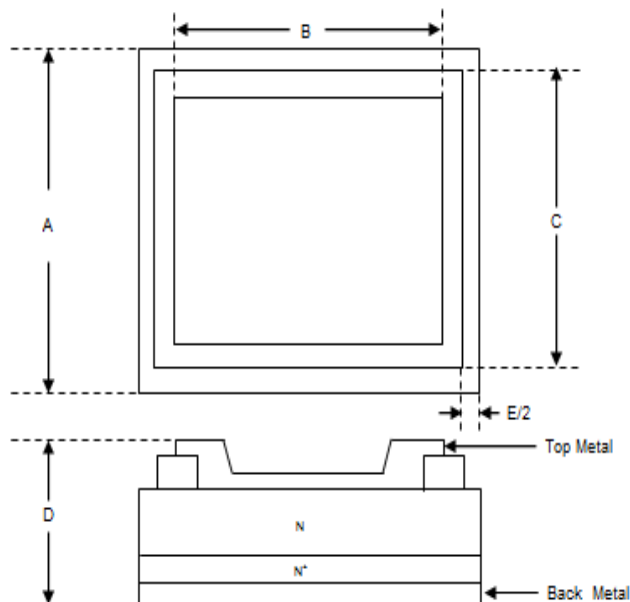


Planar MOS-Controlled Diode Wafer (PMCD)



Item	Dimensions	
	um	mil
Die Size (A)	3011	118
Top Metal Pad Size (B)	2855	112.4
Passivation Seal (C)	2941	115.8
Wafer Thickness (D)	260	10.2
Scribe Line Width (E)	70	2.76
Other Informations		
Wafer Size	6"	
Gross Die	1720	
Top Metal	Al	
Back Metal	Ag	

Electrical Characteristics @TA=25°C				
Item	Symbol	Spec. Limit	Die Sort	Unit
Maximum Repetitive Peak Reverse Voltage @0.5mA	V_{RRM}	45	51	V
Maximum Average Forward Rectified Current	I_O	20	-	A
Forward Voltage Drop, @ $I_F=2A$ @ $I_F=10A$ @ $I_F=15A$ @ $I_F=20A$	V_F	- 0.44 0.50 0.53	0.34 - - -	V
Maximum Reverse Current at Rated V_{RRM}	I_R	170	150	μA
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	300	-	A
Operating Temperature Range	T_J	-50 to +150	-	°C
Storage Temperature Range	T_{STG}	-50 to +150	-	°C
ESD(IEC61000-4-2)	Contact	25	-	KV