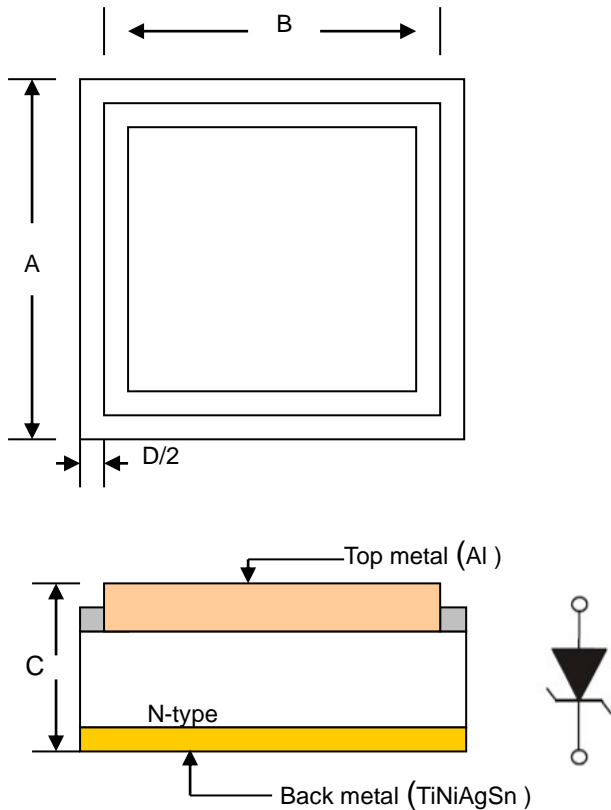


Planar TVS (Preliminary)



Item	Dimensions	
	um	mil
Die Size (A)	560*560	22*22
Top Metal (Al)	520*520	20.4*20.4
Top Metal Pad size (B)		
Wafer Thickness (C)	150±20	6.0
Scribe Line Width (D)	40	1.57
Other Information		
Top Metal	Al(3um)	
Wafer Size	6"	
Gross Die	49,500	
Back Side Metal	TiNiAgSn	

Absolute Maximum Ratings (Ta=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
ESD per IEC 61000-4-2 (Air)	V _{ESD}	± 30	KV
ESD per IEC 61000-4-2 (Contact)		± 30	
Operating Junction and Storage Temperature Range	T _j T _{stg}	-55 to +150	°C

Planar TVS (Electrical Characteristics @TA=25°C)

Part Number	Reverse Stand-off Voltage	Breakdown Voltage		Test Current	Reverse Leakage	Max Clamp Voltage 8/20us	Peak Pulse Current 8/20us	Cj
	V _{RWM}	V _{BR}		I _T	I _R @ V _{RWM}	V _c @ I _{pp}	I _{pp}	Cj
		Min[V]	Max[V]	[mA]	[uA]	[V]	[A]	Typ.[pF]
CS22S3P3MS	3.3	5.0	6.0	1.0	10	14.0	25	850
CS22S5P0MS	5.0	6.4	7.4	1.0	1.0	18.0	25	550
CS22S8P0MS	8.0	8.5	9.8	1.0	1.0	24.0	25	380
CS22S012MS	12	13.8	15.8	1.0	1.0	28.6	24	180
CS22S015MS	15	17.0	18.8	1.0	1.0	31.8	22	150
CS22S018MS	18	20.0	22.2	1.0	1.0	43.0	16	120
CS22S024MS	24	27.0	29.8	1.0	1.0	45.0	15	100
CS22S036MS	36	40.0	44.2	1.0	1.0	75.0	9	75