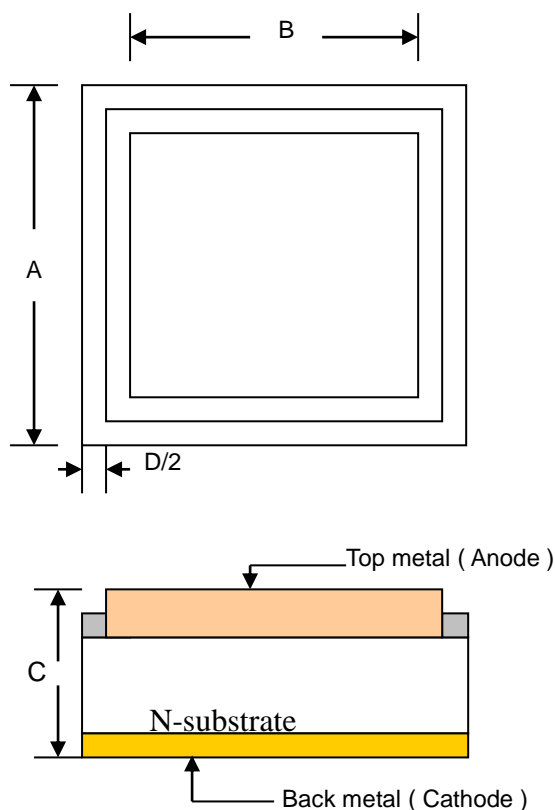


Zener Diode (Preliminary)



Item	Dimensions	
	um	mil
Die Size (A)	260	10
Top Metal Pad size (B)	200	7.9
Wafer Thickness (C)	150±15	5.9
Scribe Line Width (D)	40	1.6
Other Information		
Wafer Size	6"	
Gross Die	235,000	
Top Side Metal	Al	
Back Side Metal	Ti/Ni/Ag	

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

Parameter	Symbol	Value	Unit
Operating Junction and Storage Temperature Range	T _j T _{stg}	-55 to +150	°C

Zener specification (Electrical Characteristics @TA=25°C)

Part Number	Zener Voltage			Test Current	Maximum Reverse Current		Maximum Zener Impedance		
	V _Z			I _{ZT}	I _R	V _R	Z _{ZT}	Z _{ZK}	I _{ZK}
	Min[V]	Nom[V]	Max[V]	mA	uA	V	Ω @ I _{ZT}	Ω @ I _{ZK}	mA
CZ10S3P0ML	2.9	3.0	3.1	5.0	10	1.0	90	400	0.5
CZ10S3P3ML	3.1	3.3	3.5	5.0	10	1.0	90	400	0.5
CZ10S3P6ML	3.4	3.6	3.8	5.0	10	1.0	90	400	0.5
CZ10S3P9ML	3.7	3.9	4.1	5.0	3.0	1.0	90	400	0.5
CZ10S4P3ML	4.1	4.3	4.5	5.0	3.0	1.0	90	400	0.5
CZ10S4P7ML	4.5	4.7	4.9	5.0	3.0	1.0	90	400	0.5
CZ10S5P1ML	4.8	5.1	5.4	5.0	0.1	1.5	60	400	0.5

CZ10S5P6ML	5.2	5.6	5.0	5.0	0.1	2.5	40	400	0.5
CZ10S6P2ML	5.8	6.2	6.6	5.0	0.1	3.0	40	200	0.5
CZ10S6P8ML	6.4	6.8	7.2	5.0	0.1	4.0	40	80	0.5
CZ10S7P5ML	7.2	7.5	7.8	5.0	0.1	4.0	30	80	0.5
CZ10S8P2ML	7.8	8.2	8.6	5.0	0.1	5.0	30	80	0.5
CZ10S9P1ML	8.6	9.1	9.5	5.0	0.1	6.0	30	80	0.5
CZ10S010ML	9.5	10	10.5	5.0	0.1	7.0	30	80	0.5
CZ10S011ML	10.5	11	11.5	5.0	0.1	8.0	30	80	0.5
CZ10S012ML	11.4	12	12.7	5.0	0.1	8.0	30	80	0.5
CZ10S013ML	12.4	13	13.6	5.0	0.1	10.0	37	80	0.5
CZ10S015ML	14.3	15	15.9	5.0	0.1	10.5	42	80	0.5
CZ10S016ML	15.2	16	16.8	5.0	0.1	12.0	45	80	0.5
CZ10S018ML	16.8	18	19.1	5.0	0.1	12.6	50	80	0.5
CZ10S020ML	19.0	20	21.0	5.0	0.1	15.0	85	100	0.5
CZ10S022ML	20.9	22	23.1	5.0	0.1	17.0	100	100	0.5
CZ10S024ML	22.8	24	25.2	5.0	0.1	16.8	120	250	0.5
CZ10S027ML	25.1	27	28.9	5.0	0.1	18.9	150	300	0.5
CZ10S030ML	28.5	30	31.5	5.0	0.1	23.0	200	300	0.5
CZ10S033ML	31.4	33	34.6	5.0	0.1	25.0	250	300	0.5
CZ10S036ML	34.2	36	37.8	5.0	0.1	27.0	300	300	0.5
CZ10S039ML	37.1	39	40.9	5.0	0.1	30.0	300	400	0.5
CZ10S043ML	40.9	43	45.1	5.0	0.1	33.0	550	400	0.5
CZ10S047ML	44.7	47	49.3	5.0	0.1	36.0	600	400	0.5
CZ10S051ML	48.5	51	53.5	5.0	0.1	39.0	620	400	0.5
CZ10S056ML	53.2	56	58.8	5.0	0.1	43.0	650	400	0.5