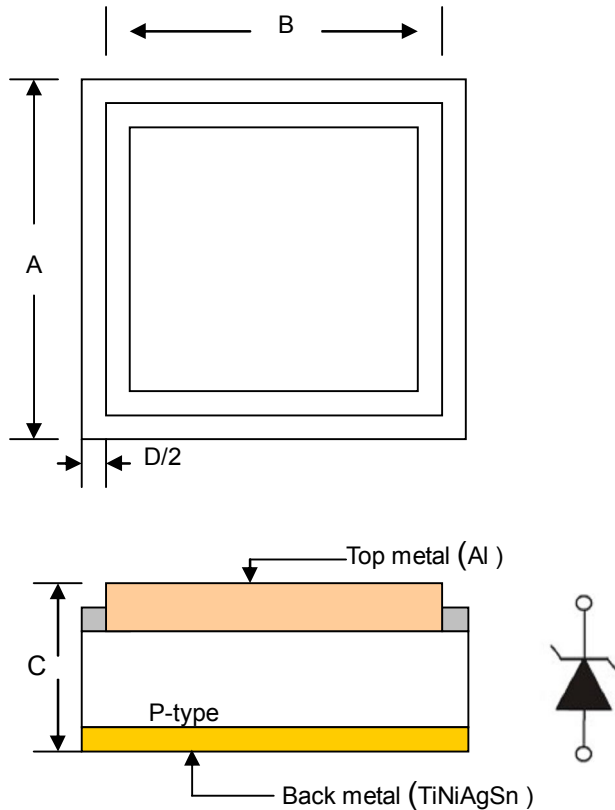


## 200W Planar TVS



Item	Dimensions	
	um	mil
Die Size ( A )	990	39
Top Metal (Al)	925	36.4
Top Metal Pad size ( B )		
Wafer Thickness ( C )	180±20	7.08
Scribe Line Width ( D )	50	1.96
Other Information		
Top Metal	Al	
Wafer Size	6"	
Gross Die	16800	
Back Side Metal	TiNiAgSn	

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

Parameter	Symbol	Value	Unit
Peak Pulse Power Dissipation with a 10/1000 $\mu$ s Waveform	P <sub>PPM</sub>	200	W
ESD per IEC 61000-4-2 ( Air )	V <sub>ESD</sub>	± 30	KV
ESD per IEC 61000-4-2 ( Contact )		± 30	
Peak Forward Surge Current 8.3ms Single Half Sine-wave	I <sub>FSM</sub>	25	A
Operating Junction and Storage Temperature Range	T <sub>j</sub> T <sub>stg</sub>	-55 to +150	°C

## 200W Planar TVS ( Electrical Characteristics @TA=25°C )

品名	Reverse Stand-off Voltage	Breakdown Voltage		Test Current	Reverse Leakage	Max Clamp Voltage 10/1000us	Peak Pulse Current 10/1000us
	V <sub>RWM</sub>	V <sub>BR</sub>		I <sub>T</sub>	I <sub>R</sub> @ V <sub>RWM</sub>	V <sub>c</sub> @ I <sub>pp</sub>	I <sub>pp</sub>
		Min[V]	Max[V]	[mA]	[uA]	[V]	[A]
CS39S3P3LL	3.3	5.22	5.98	10	30	8.5	23.5
CS39S5P0LL	5.0	6.42	6.98	10	15	9.2	21.7
CS39S6P0LL	6.0	6.69	7.35	10	5	10.3	19.7
CS39S6P5LL	6.5	7.24	7.96	10	5	11.2	17.9
CS39S7P0LL	7.0	7.80	8.58	10	5	12	16.7