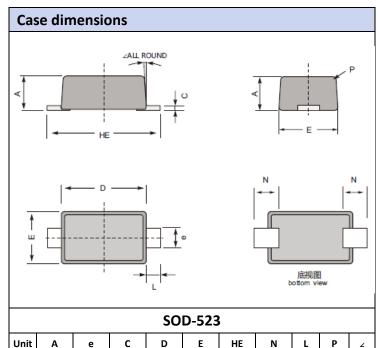


## **Transient Voltage Suppressors for ESD Protection**

Primary characteristics					
Parameter	Symbol	Value	Unit		
Working reverse voltage	V <sub>RWM</sub>	5.0	V		
ESD per IEC 61000-4-2 (contact)	Vesd	±20	kV		
ESD per IEC 61000-4-2 (air)	Vesd	±20	kV		
Peak pulse current	I <sub>pp</sub>	4	А		

## **Features**

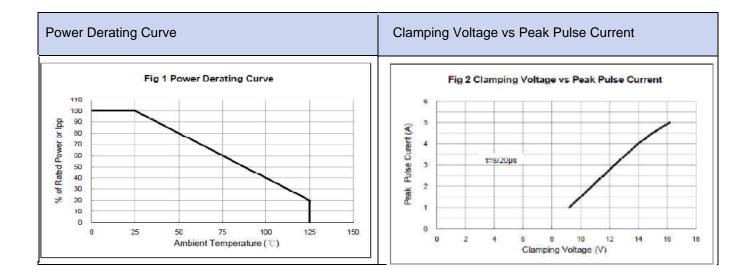
- **SOD-523** case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- IEC61000-4-2 level 4 ESD protection
- Low leakage current
- Low clamping voltage
- Ultra low capacitance 0,7pF

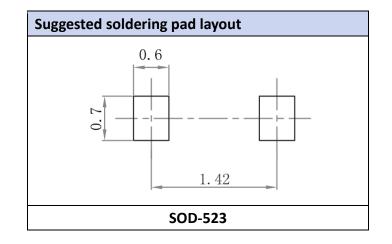


500-525										
Unit	Α	е	С	D	E	HE	N	L	Ρ	2
mm	0.51 0.77	0.25 0.35	0.08 0.15	1.10 1.30	0.75 0.99	1.50 1.70	0.35 REF	0.20 REF	R0.1	9° 11 '

Maximum ratings and electrical characteristics (T <sub>a</sub> = 25°C)							
Chavastavistics	aracteristics Test condition Symbol	Symbol	Value			Unit	
Characteristics		Symbol	Min.	Тур.	Max.	Unit	
ESD per IEC 61000-4-2 (contact)		\/	-20		+20	kV	
ESD per IEC 61000-4-2 (air)	-	Vesd	-20	-	+20	κv	
Peak pulse power (8/20 μS)	-	P <sub>pk</sub>	-	10	-	W	
Peak Pulse Current	-	I <sub>pp</sub>	-	4	-	А	
Operating, storage temperature	-	Tj, Tstg	-55	-	150	°C	
Reverse working voltage	-	V <sub>RWM</sub>	-	-	5.0	V	
Reverse breakdown voltage	IT=1mA	V <sub>BR</sub>	6.0	-	-	V	
Reverse leakage current	V= V <sub>RWM</sub> , Ta=25°C	IR	-	-	100	ųА	
Clamping voltage	Ipp =1A,tp=8/20us	Vc	-	-	10	V	
Junction capacitance	-	CJ	-	-	0.7	рF	







Ordering information				
Part Number / Marking code	Package	Shipping Quantity		
ESD5Z5.0L	SOD-523	3 000 pcs / 7" reel		

## Disclaimer

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