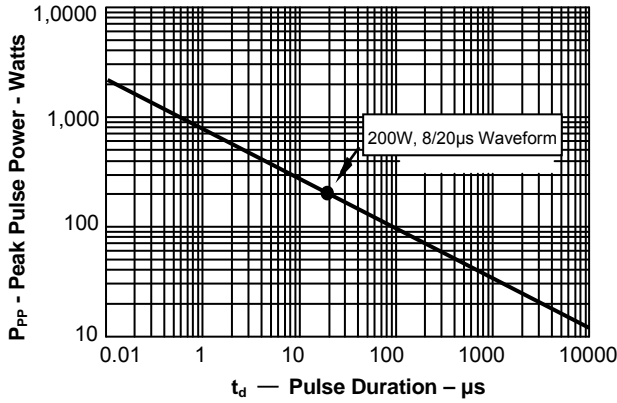
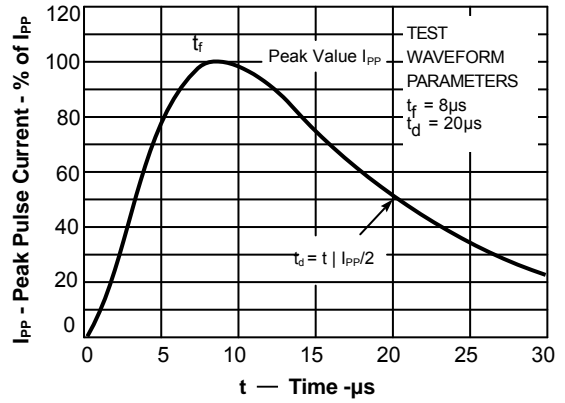


**Typical Characteristic Curves**

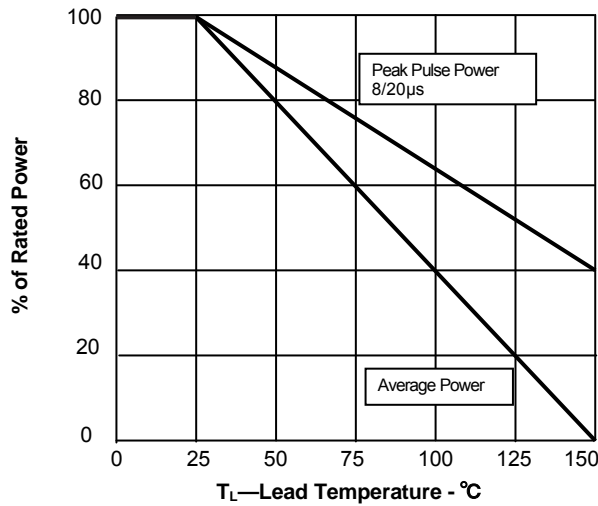
**Fig.1 Peak Pulse Power vs Pulse Time**



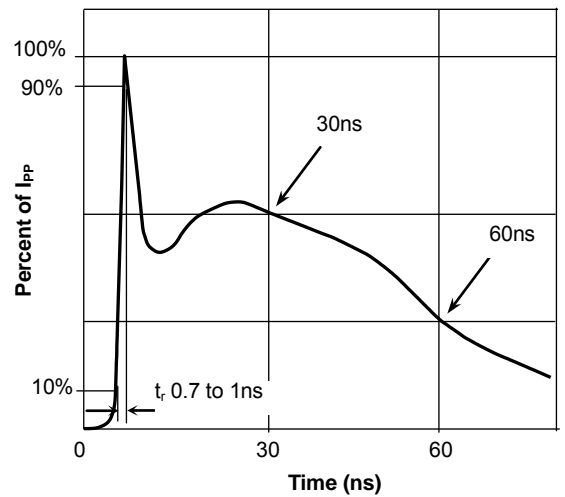
**Fig.2 Pulse WaveForm-8/20μs**



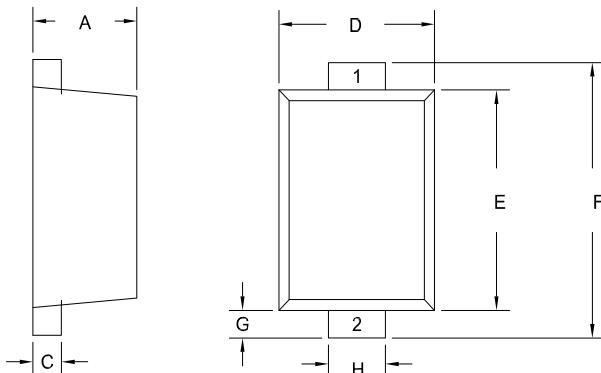
**Fig.3 Power Derating Curve**



**Fig.4 Pulse Waveform-ESD(IEC61000-4-2)**



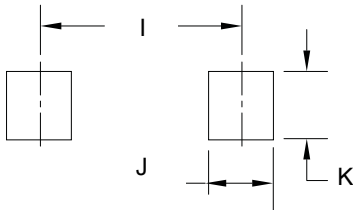
**Product Dimensions**



**SOD-523**

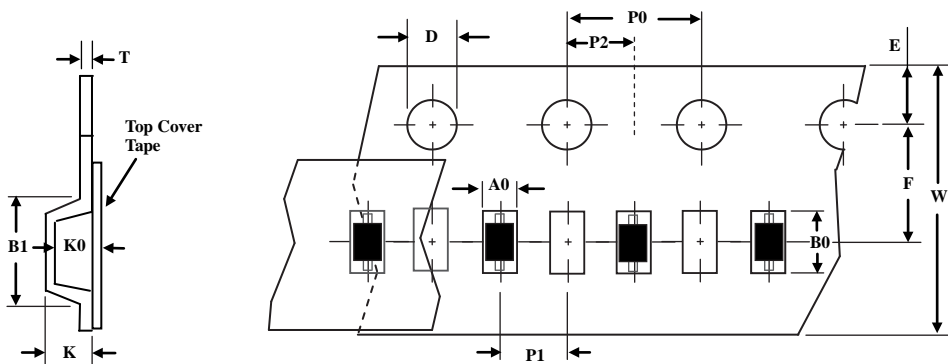
Dim	mm	
	min	max
A	0.50	0.70
C	0.07	0.20
D	0.70	0.90
E	1.10	1.30
F	1.50	1.70
G	0.15	0.25
H	0.25	0.35

**PAD Dimensions**



Dim	mm
I	1.35
J	0.35
K	0.39

**Package Information**



TapeSize(W)	B1 max	D	E	F	K max	P0	P1	P2	T max	W max
8	4.55	1.55±0.05	1.75±0.1	3.5±0.05	2.4	4.0±0.1	2.0±0.05	2.0±0.05	0.6	8.3

Note: 1. unit : mm

2. A0, B0, and K0 are determined by component size. The clearance between the components and the cavity must be within 0.05mm min to 0.50 mm max. The component cannot rotate more than 10° within the determined cavity.

**Marking**



**Order Information**

Device	Package	Net Weight	Carrier	Quantity	HSF Status
SES5VD523-2B	SOD-523	0.0014g	Tape & Reel	3000pcs / Reel	RoHS compliant