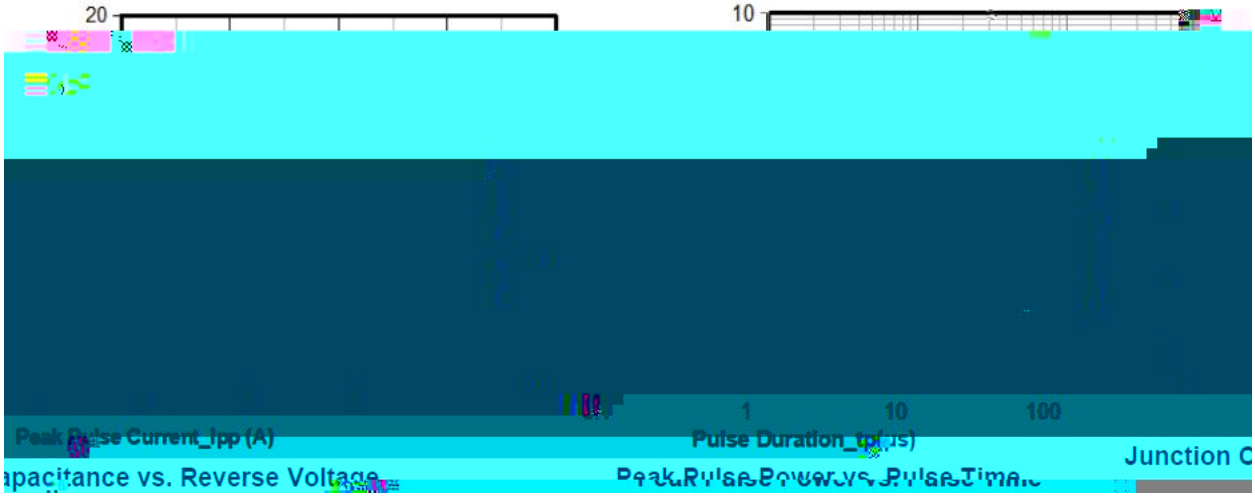
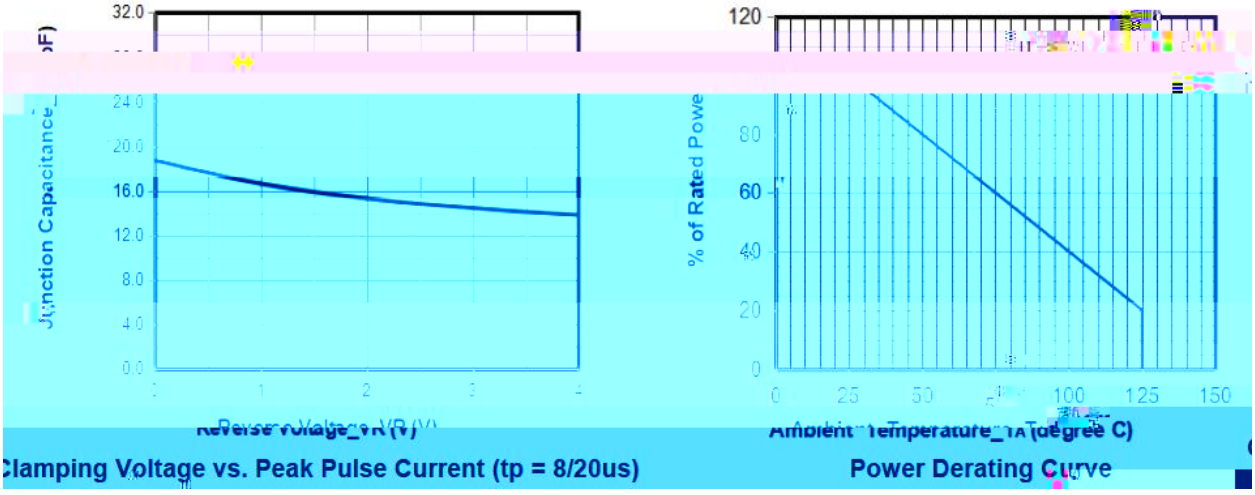
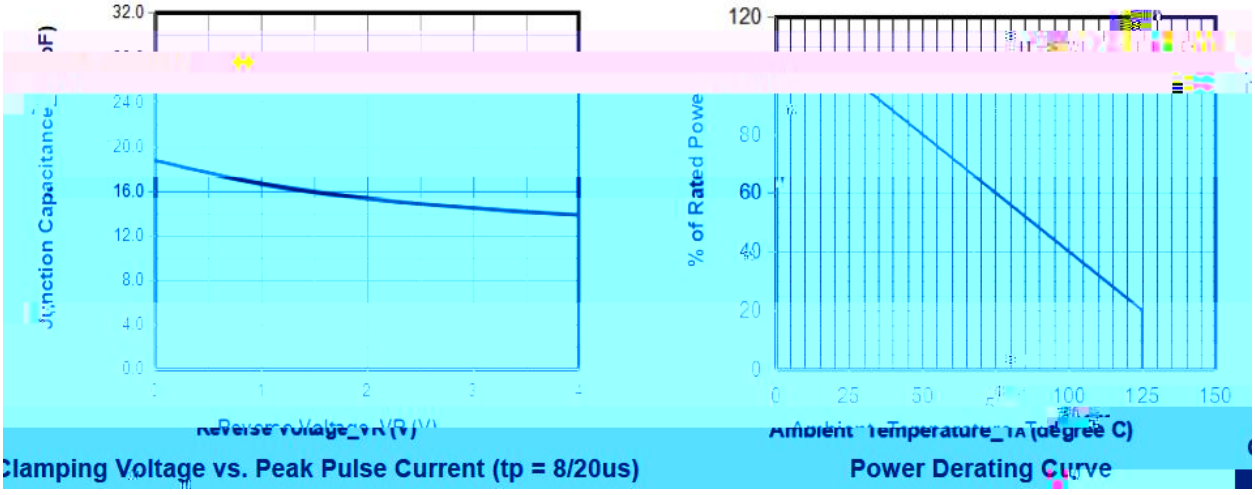
Reverse Working Voltage			-	-	7	
Reverse Breakdown Voltage	I_T = 1mA		7.6	-	9	
Reverse Leakage Current	V_{RWM}= 7V		-	-	0.2	
Clamping Voltage	I_{PP}=6A		-	-	16	
Junction Capacitance	V_R = 0V, f = 1MHz		-	-	20	


20
10
1
10
100
Pulse Duration_tp(us)
Junction C
apacitance vs. Reverse Voltage


32.0
24.0
20.0
16.0
12.0
8.0
4.0
0.0
120
80
60
40
20
0
0
25
50
100
125
150
Ambient Temperature_TA (degree C)
Power Derating Curve

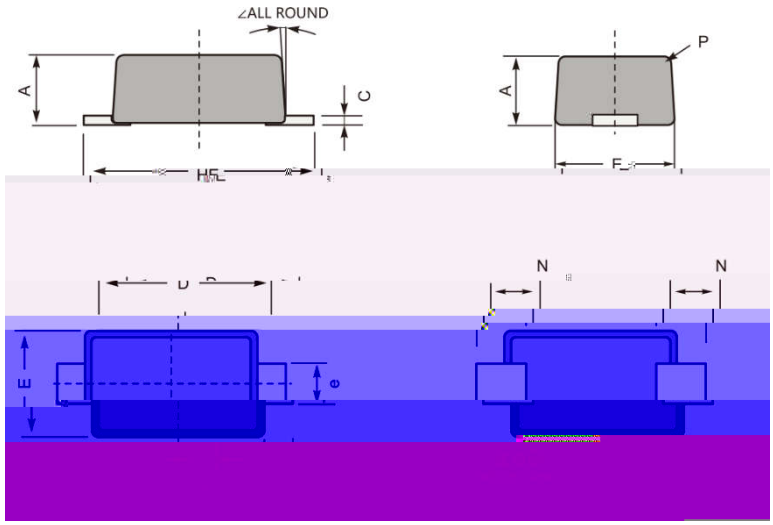

32.0
24.0
20.0
16.0
12.0
8.0
4.0
0.0
120
80
60
40
20
0
0
25
50
100
125
150
Ambient Temperature_TA (degree C)
Power Derating Curve

Ordering information

Package	Packing Description	Packing Quantity
SOD-523	Tape/Reel,7”reel	3000PCS/Reel 120000PCS/Carton

Package Dimensions

SOD-523



Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.51	0.77	20	30
e	0.25	0.35	10	14
C	0.08	0.15	3	6
D	1.10	1.30	43	51
E	0.75	0.99	30	39
HE	1.50	1.70	59	67
N	0.35ref		14ref	
L	0.2ref		8ref	
P	R0.1 ALL ROUND		R4.0 ALL ROUND	
	10°			

The recommended mounting pad size

