

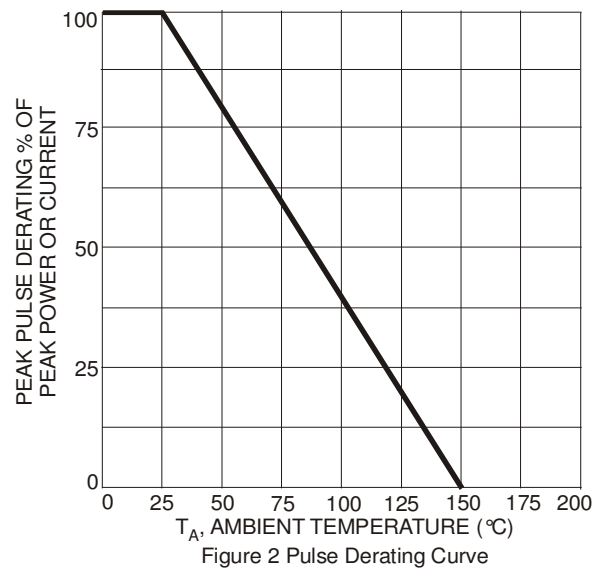
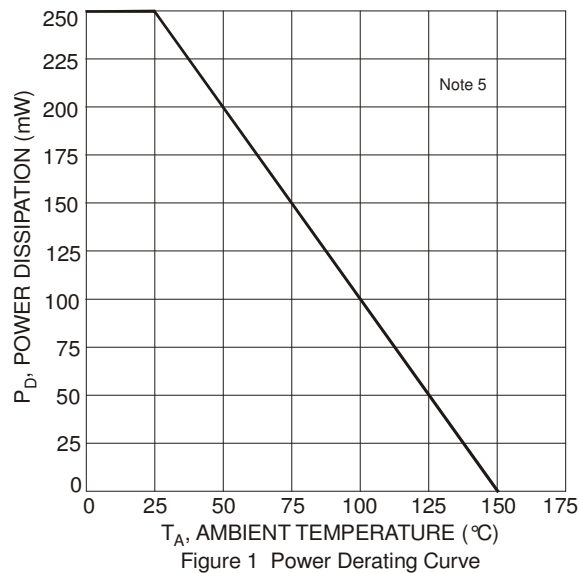
## Thermal Characteristics

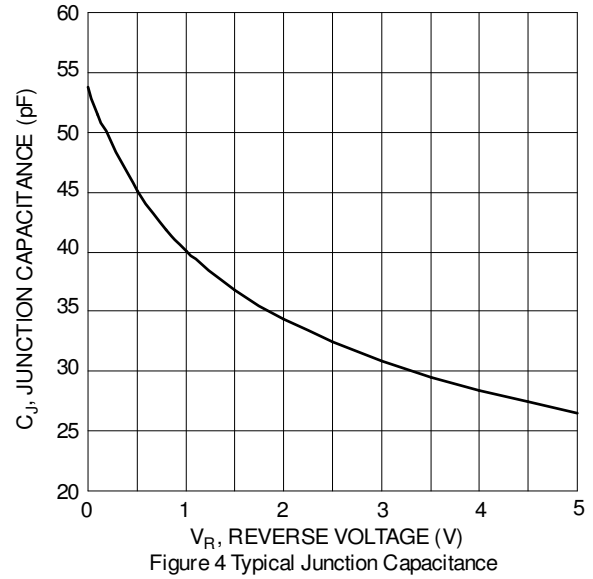
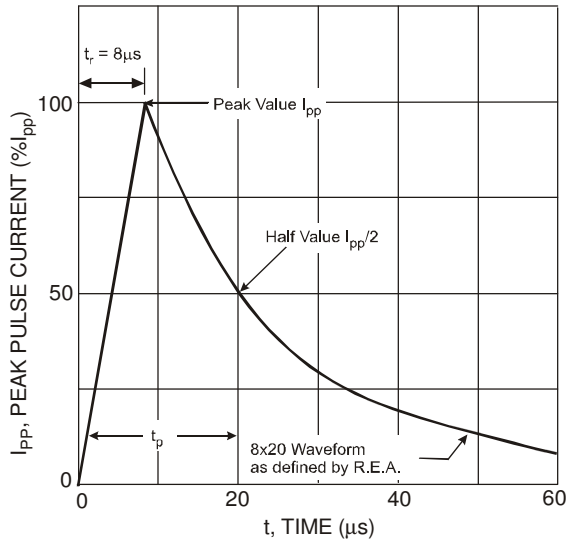
Characteristic	Symbol	Value	Unit
Package Power Dissipation (Note 5)	$P_D$	250	mW
Thermal Resistance, Junction to Ambient (Note 5)	$R_{\theta JA}$	500	°C/W
Operating and Storage Temperature Range	$T_J, T_{STG}$	-65 to +150	°C

## Electrical Characteristics (@ $T_A = +25^\circ\text{C}$ , unless otherwise specified.)

Characteristic	Symbol	Min	Typ	Max	Unit	Test Conditions
Reverse Standoff Voltage	$V_{RWM}$	—	—	5.5	V	—
Channel Leakage Current (Note 6)	$I_{RM}$	—	—	1.0	$\mu\text{A}$	$V_{RWM} = 5\text{V}$
Clamping Voltage, Positive Transients	$V_{CL}$	—	—	12	V	$I_{PP} = 9\text{A}$ , $t_p = 8/20\mu\text{S}$
Breakdown Voltage	$V_{BR}$	6.2	—	—	V	$I_R = 1\text{mA}$
Channel Input Capacitance	$C_{IN}$	—	54	64	pF	$V_R = 0\text{V}$ , $f = 1\text{MHz}$

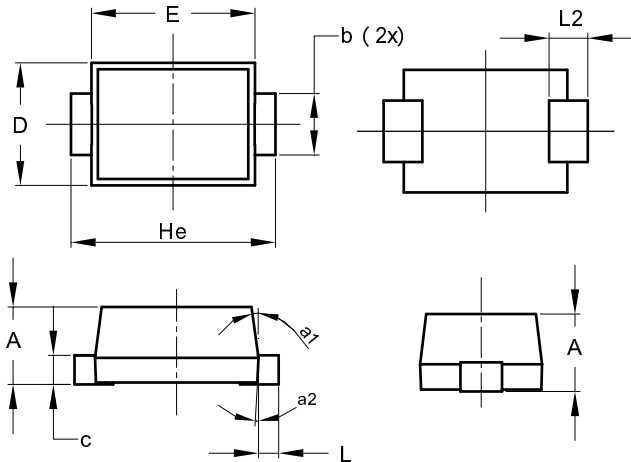
Notes: 5. Device mounted on FR-4 PCB pad layout (2oz copper) as shown on Diodes, Inc. suggested pad layout AP02001, which can be found on our website at <http://www.diodes.com>.  
 6. Short duration pulse test used to minimize self-heating effect.





## Package Outline Dimensions

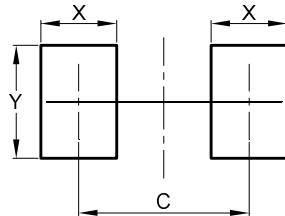
Please see AP02002 at <http://www.diodes.com/datasheets/ap02002.pdf> for the latest version.



SOD923 (0.3mm Lead Width)			
Dim	Min	Max	Typ
A	0.34	0.40	0.37
b	0.25	0.35	0.30
c	0.05	0.15	0.10
D	0.55	0.65	0.60
E	0.75	0.85	0.80
He	0.95	1.05	1.00
L	0.05	0.15	0.10
L2	0.190 REF		
a1	0°	8°	7°
a2	2°	4°	3°
All Dimensions in mm			

## Suggested Pad Layout

Please see AP02001 at <http://www.diodes.com/datasheets/ap02001.pdf> for the latest version.



Dimensions	Value (in mm)
C	0.900
X	0.400
Y	0.600

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