

Thermal Characteristics

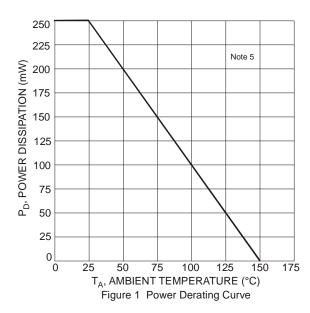
Characteristic	Symbol	Value	Unit
Package Power Dissipation (Note 5)	P _D	250	mW
Thermal Resistance, Junction to Ambient (Note 5)	$R_{ hetaJA}$	500	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to +150	°C

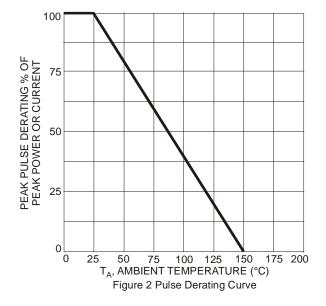
Electrical Characteristics (@T_A = +25°C, unless otherwise specified.)

Characteristic	Symbol	Min	Тур	Max	Unit	Test Conditions
Reverse Standoff Voltage	V_{RWM}	_	_	3.3	V	_
Channel Leakage Current (Note 6)	I _{RM}	_	_	2.0	μA	V _{RWM} = 3.3V
Clamping Voltage, IEC 61000-4-5	V _{CL}	_	_	8	V	$I_{PP} = 1A$, $tp = 8/20 \mu S$
		_	_	10		$I_{PP} = 12A$, $tp = 8/20 \mu S$
Breakdown Voltage	V_{BR}	5.0	_	_	V	I _R = 1mA
Channel Input Capacitance	C _T	_	70	80	pF	$V_R = 0V$, $f = 1MHz$

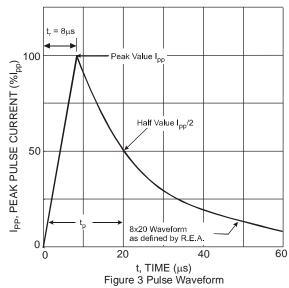
Notes:

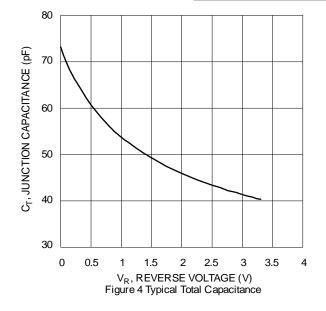
- 5. Device mounted on FR-4 PCB pad layout (2oz copper) as shown on Diodes, Inc. suggested pad layout AP02001, which can be found on our website at http://www.diodes.com.
- 6. Short duration pulse test used to minimize self-heating effect.







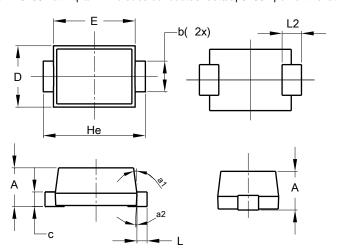






Package Outline Dimensions

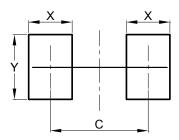
Please see AP02002 at http://www.diodes.com/datasheets/ap02002.pdf for the latest version.



	SOD923					
(0.	(0.3mm Lead Width)					
Dim	Min	Max	Тур			
Α	0.34	0.40	0.37			
b	0.25	0.35	0.30			
С	0.05	0.15	0.10			
D	0.55	0.65	0.60			
Е	0.75	0.85	0.80			
Не	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 latest version.



Dimensions	Value		
Dimensions	(in mm)		
С	0.900		
Х	0.400		
Y	0.600		



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