

Maximum Ratings (@T_A = +25°C unless otherwise specified.)

Characteristic	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	350	V
Working Peak Reverse Voltage	V _{RWM}	300	V
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	212	V
Forward Continuous Current (Note 5)	I _F	225	mA
Peak Repetitive Forward Current (Note 5)	I _{FRM}	625	mA
Non-Repetitive Peak Forward Surge Current	I _{FSM}	4.0	A
		1.0	

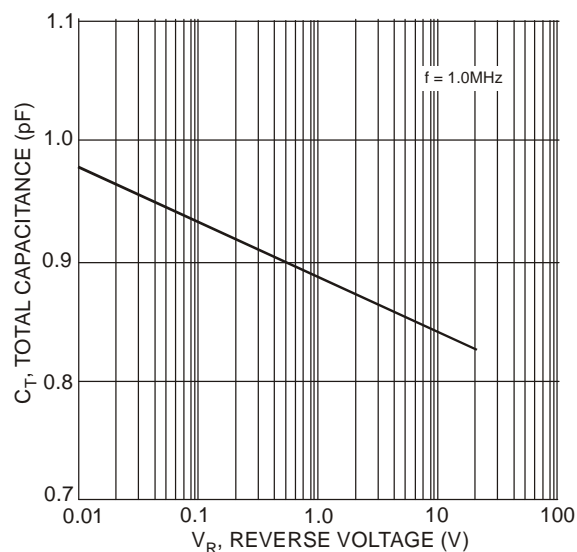
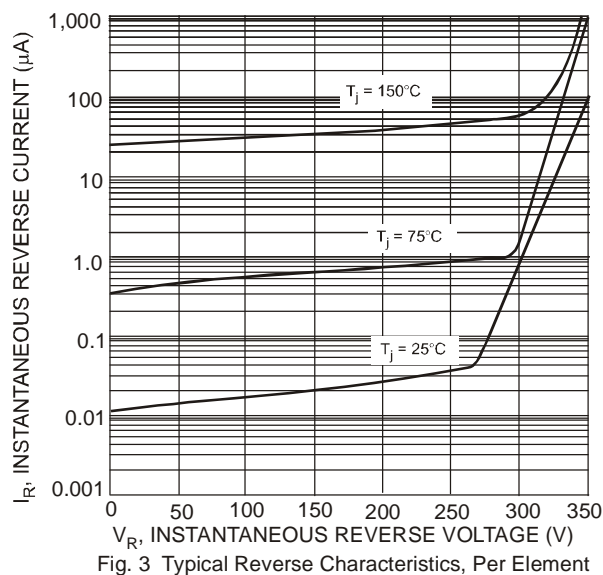
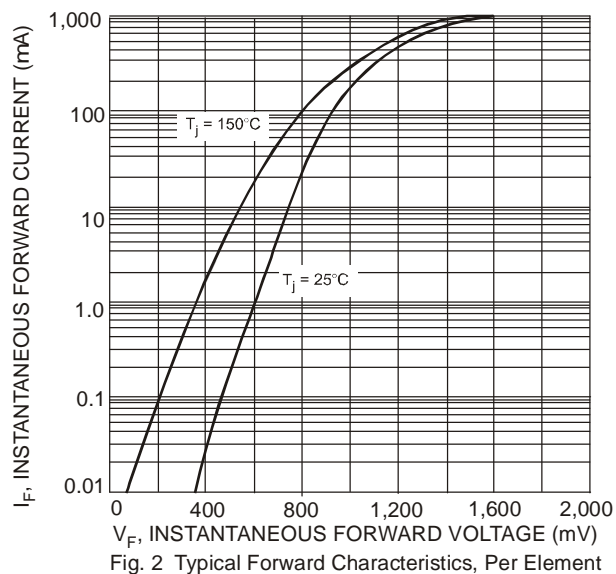
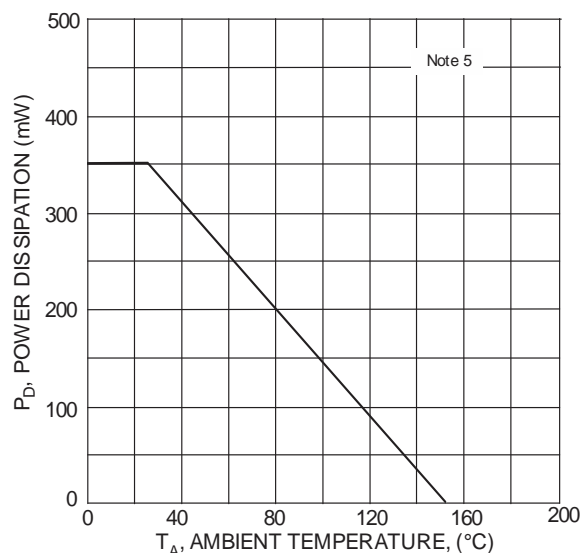
Thermal Characteristics

Characteristic	Symbol	Value	Unit
Power Dissipation (Note 5)	P _D	350	mW
Thermal Resistance Junction to Ambient Air (Note 5)	R _{θJA}	357	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to +150	°C

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

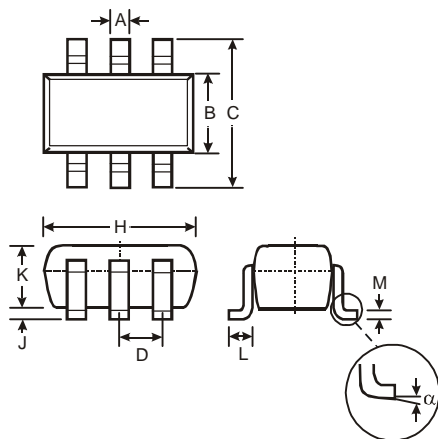
Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse Breakdown Voltage (Note 6)	V _{(BR)R}	350	—	—	V	I _R = 150μA
Forward Voltage	V _F	—	0.78	0.87	V	I _F = 20mA
			0.93	1.0		I _F = 100mA
			1.03	1.25		I _F = 200mA
Reverse Current (Note 6)	I _R	—	30	100	nA	V _R = 240V
			35	100	μA	V _R = 240V, T _J = +150°C
Total Capacitance	C _T	—	1.0	5.0	pF	V _R = 0V, f = 1.0MHz
Reverse Recovery Time	t _{rr}	—	—	50	ns	I _F = I _R = 30mA, I _{rr} = 3.0mA, R _L = 100Ω

- Notes:
- Part mounted on FR-4 board with recommended pad layout, which can be found on our website at <http://www.diodes.com/datasheets/ap02001.pdf>.
 - Short duration pulse test used to minimize self-heating effect.



Package Outline Dimensions

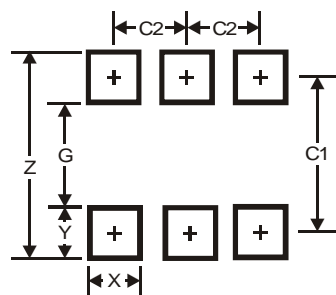
Please see AP02002 at <http://www.diodes.com/datasheets/ap02002.pdf> for the latest version.



SOT26			
Dim	Min	Max	Typ
A	0.35	0.50	0.38
B	1.50	1.70	1.60
C	2.70	3.00	2.80
D	—	—	0.95
H	2.90	3.10	3.00
J	0.013	0.10	0.05
K	1.00	1.30	1.10
L	0.35	0.55	0.40
M	0.10	0.20	0.15
α	0°	8°	—
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)
Z	3.20
G	1.60
X	0.55
Y	0.80
C1	2.40
C2	0.95

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