

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

Characteristic		Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		V _{RRM} V _{RWM} V _R	40	V
Forward Continuous Current (Note 5)		I _F	200	mA
Repetitive Peak Forward Current (Note 5)		I _{FRM}	350	mA
Forward Surge Current (Note 5)	@ tp =10ms	I _{FSM}	750	mA

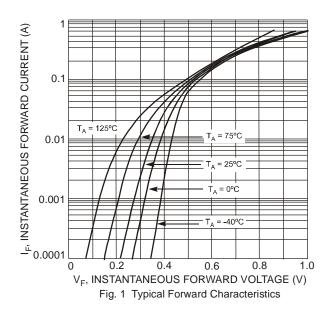
Thermal Characteristics

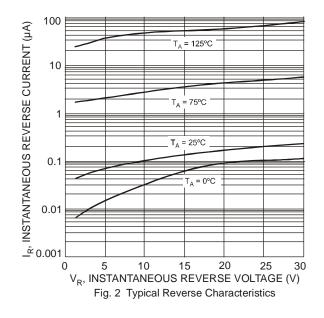
Characteristic	Symbol	Value	Unit
Power Dissipation (Note 5)	PD	150	mW
Thermal Resistance, Junction to Ambient Air (Note 5)	R _{θJA}	833	°C/W
Operating and Storage Temperature Range	TJ, T _{STG}	-65 to +125	°C

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

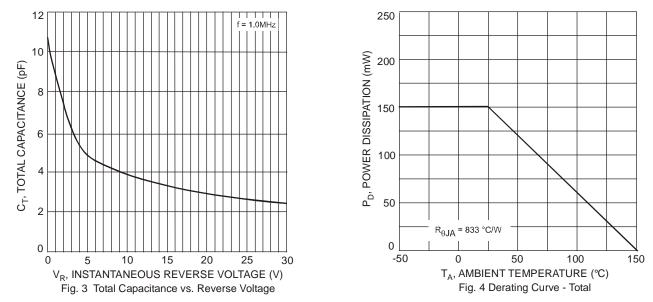
Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse Breakdown Voltage (Note 6)	V _{(BR)R}	40	_	_	V	I _R = 100μA
		V _F —		330	330	I _F = 2.0mA
Forward Voltage				420 800 m∖ 1,000	m\/	I _F = 15mA
Torward Voltage	VF				IIIV	I _F = 100mA
						I _F = 200mA
Reverse Leakage Current (Note 6)	I _R		_	500	nA	V _R = 25V
Total Capacitance	Ст			10	pF	V _R = 1.0V, f = 1.0MHz
Reverse Recovery Time		t _{RR} —		5.0	ns	$I_F = 10mA$ through $I_R = 10mA$
	٩R					to $I_R = 1.0 \text{mA}, R_L = 100 \Omega$

Notes: 5. Device mounted on FR-4 PCB, 1 inch x 1 inch, 2 oz. Copper. 6. Short duration pulse test used to minimize self-heating effect.



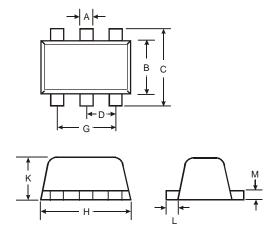






Package Outline Dimensions

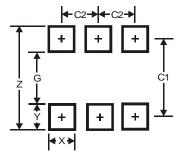
Please see AP02002 at http://www.diodes.com/datasheets/ap02002.pdf for the latest version.



SOT563				
Dim	Min	Max	Тур	
Α	0.15	0.30	0.20	
В	1.10	1.25	1.20	
С	1.55	1.70	1.60	
D	-	-	0.50	
G	0.90	1.10	1.00	
н	1.50	1.70	1.60	
K	0.55	0.60	0.60	
L	0.10	0.30	0.20	
Μ	0.10	0.18	0.11	
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	2.2
G	1.2
Х	0.375
Y	0.5
C1	1.7
C2	0.5



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