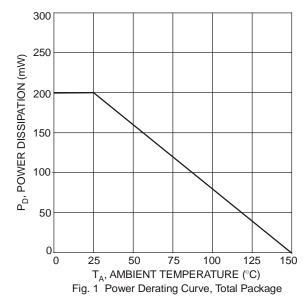
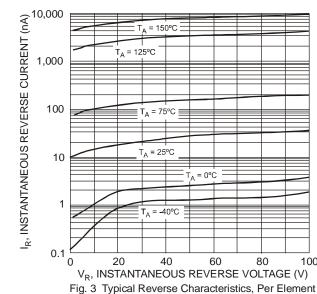


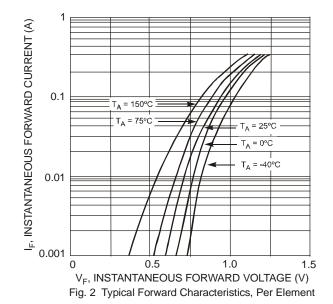
Electrical Characteristics @T_A = 25°C unless otherwise specified

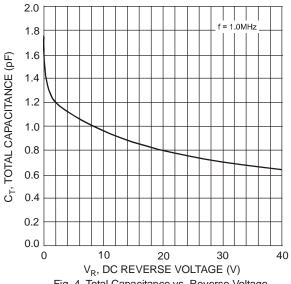
Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse Breakdown Voltage (Note 7)	$V_{(BR)R}$	75	_		V	$I_R = 2.5 \mu A$
Forward Voltage (Note 7)	V_{F}		_	0.715 0.855 1.0 1.25	V	I _F = 1.0mA I _F = 10mA I _F = 50mA I _F = 150mA
Reverse Current (Note 7)	I _R		_	2.5 50 30 25	μА	$V_R = 75V$ $V_R = 75V$, $T_J = 150^{\circ}C$ $V_R = 25V$, $T_J = 150^{\circ}C$ $V_R = 20V$
Junction Capacitance (per element)	CJ	_	_	2.0	pF	$V_R = 0V$, $f = 1.0MHz$
Capacitance, Between I/O Lines (I/O1 & I/O2)	C_LL	_	35	_	рF	$V_R = 0V$, $f = 1.0MHz$
Capacitance, Between I/O Line and Ground	C_LG	_	11	_	рF	$V_R = 0V$, $f = 1.0MHz$
Reverse Recovery Time	t _{rr}		_	4.0	ns	$I_F = I_R = 10 \text{mA},$ $I_{rr} = 0.1 \times I_R, R_L = 100 \Omega$

Notes: 7. Short duration pulse test used to minimize self-heating effect.









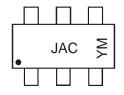


Ordering Information (Note 8)

Part Number	Case	Packaging			
SDA006-7	SOT-363	3000/Tape & Reel			

Notes: 8. For packaging details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.

Marking Information



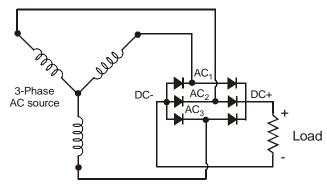
JAC = Product Type Marking Code YM = Date Code Marking Y = Year ex: N = 2002 M = Month ex: 9 = September

Date Code Key

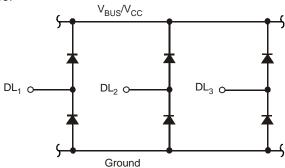
Year	2002	2003	2004	2005	200	6 20	007	2008	2009		2010	2011	2012
Code	N	Р	R	S	Т		U	V	W		Χ	Υ	Z
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	I Au	g S	ер	Oct	Nov	Dec
Code	1	2	3	4	5	6	7	8		9	0	N	D

Typical Applications

Three Phase, Full-Wave Bridge Rectifier

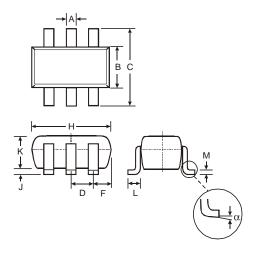


Data Line Bus Transient Suppressor



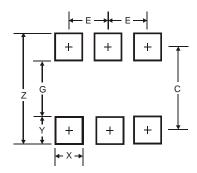


Package Outline Dimensions



SOT-363						
Dim	Min	Max				
Α	0.10	0.30				
В	1.15	1.35				
С	2.00 2.20					
D	0.65 Nominal					
F	0.30	0.40				
Н	1.80	2.20 0.10				
J	_					
K	0.90	1.00				
L	0.25	0.40				
M	0.10	0.25				
α	α 0°					
All Di	All Dimensions in mm					

Suggested Pad Layout



Dimensions	Value (in mm)
Z	2.5
G	1.3
X	0.42
Υ	0.6
С	1.9
Е	0.65

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