



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Broadband Optimized™ SIDACTor® Device



The DO-214AA SIDACTor Broadband Optimized protection devices are intended for applications sensitive to load values. Typically, high speed connections require a lower capacitance. C_0 values are 40% lower than standard devices.

SIDACTor devices enable equipment to comply with various regulatory requirements including GR 1089, ITU K.20, K.21 and K.45, IEC 60950, UL 60950, and TIA-968-A (formerly known as FCC Part 68).

Electrical Parameters

Part Number *	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} μ Amps	I_S mAmps	I_T Amps	I_H mAmps
P0642S_L	58	77	4	5	800	2.2	120
P0722S_L	65	88	4	5	800	2.2	120
P0902S_L	75	98	4	5	800	2.2	120
P1102S_L	90	130	4	5	800	2.2	120
P1302S_L	120	160	4	5	800	2.2	120
P1502S_L	140	180	4	5	800	2.2	120
P1802S_L	170	220	4	5	800	2.2	120
P2302S_L	190	260	4	5	800	2.2	120
P2602S_L	220	300	4	5	800	2.2	120
P3002S_L	280	360	4	5	800	2.2	120
P3502S_L	320	400	4	5	800	2.2	120
P4202S_L	190	250	8	5	800	2.2	120
P4802S_L	440	600	4	5	800	2.2	120
P6002S_L	275	350	8	5	800	2.2	120

* "L" in part number indicates RoHS compliance. For non-RoHS compliant device, delete "L" from part number.

For surge ratings, see table below.

General Notes:

- All measurements are made at an ambient temperature of 25 °C. I_{PP} applies to -40 °C through +85 °C temperature range.
- I_{PP} is a repetitive surge rating and is guaranteed for the life of the product.
- Listed SIDACTor devices are bi-directional. All electrical parameters and surge ratings apply to forward and reverse polarities.
- V_{DRM} is measured at I_{DRM} .
- V_S is measured at 100 V/ μ s.
- Special voltage (V_S and V_{DRM}) and holding current (I_H) requirements are available upon request.

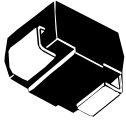
Surge Ratings in Amps

Series	I_{PP}									I_{TSM} 50 / 60 Hz Amps	di/dt Amps/ μ s
	0.2x310 *	2x10 *	8x20 *	10x160 *	10x560 *	5x320 *	10x360 *	10x1000 *	5x310 *		
	0.5x700 **	2x10 **	1.2x50 **	10x160 **	10x560 **	9x720 **	10x360 **	10x1000 **	10x700 **		
	Amps	Amps	Amps	Amps	Amps	Amps	Amps	Amps	Amps	Amps	Amps
A	20	150	150	90	50	75	75	45	75	20	500
B	25	250	250	150	100	100	125	80	100	30	500

* Current waveform in μ s

** Voltage waveform in μ s

Thermal Considerations

Package	Symbol	Parameter	Value	Unit
DO-214AA 	T _J	Operating Junction Temperature Range	-40 to +150	°C
	T _S	Storage Temperature Range	-65 to +150	°C
	R _{θJA}	Thermal Resistance: Junction to Ambient	90	°C/W

Capacitance Values

Part Number *	pF	
	MIN	MAX
P0642S[A/B]L	25	45
P0722S[A/B]L	20	45
P0902S[A/B]L	20	40
P1102S[A/B]L	15	35
P1302S[A/B]L	15	35
P1502S[A/B]L	15	30
P1802S[A/B]L	10	30
P2302S[A/B]L	10	25
P2602S[A/B]L	10	25
P3002S[A/B]L	10	25
P3502S[A/B]L	10	20
P4202S[A/B]L	10	20
P4802S[A/B]L	5	20
P6002S[A/B]L	5	20

* [A/B] in part number indicates that values are for both A and B surge ratings.
 Note: Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias.