



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

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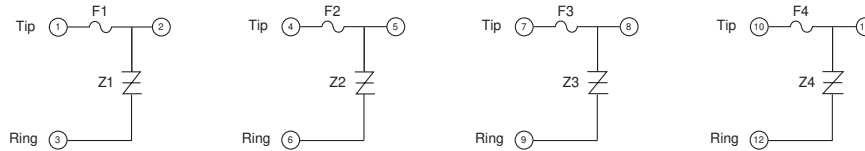
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Four-port Metallic Line Protector

The four-port hybrid Single In-line Package (SIP) line protector protects multiple twisted pair from overcurrent and overvoltage conditions. Based on a SIP, it is equivalent to four discrete DO-214AA *SIDACTor* devices and four surface mount fuses. Available in surge current ratings up to 500 A, this four-port SIP line protector is ideal for densely populated line cards that cannot afford PCB inefficiencies or the use of series power resistors.



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	C _O pF
P0080Z_	6	25	4	5	800	2.2	50	100
P0300Z_	25	40	4	5	800	2.2	50	110
P0640Z_	58	77	4	5	800	2.2	150	50
P0720Z_	65	88	4	5	800	2.2	150	50
P0900Z_	75	98	4	5	800	2.2	150	50
P1100Z_	90	130	4	5	800	2.2	150	40
P1300Z_	120	160	4	5	800	2.2	150	40
P1500Z_	140	180	4	5	800	2.2	150	40
P1800Z_	170	220	4	5	800	2.2	150	30
P2300Z_	190	260	4	5	800	2.2	150	30
P2600Z_	220	300	4	5	800	2.2	150	30
P3100Z_	275	350	4	5	800	2.2	150	30
P3500Z_	320	400	4	5	800	2.2	150	30

* For individual "ZA," "ZB," and "ZC" surge ratings, see table below.

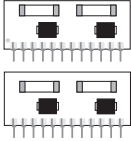
General Notes:

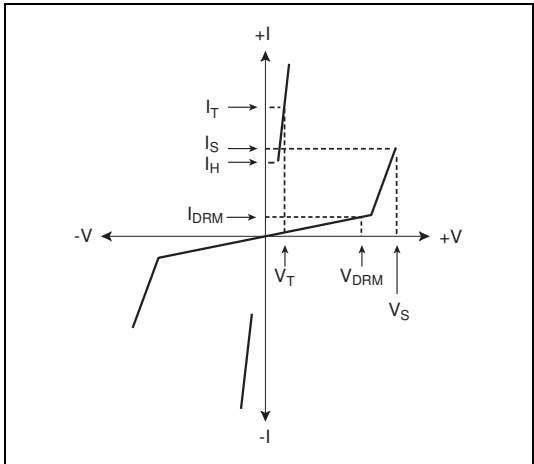
- All measurements are made at an ambient temperature of 25 °C. I_{PP} applies to -40 °C through +85 °C temperature range.
- I_{PP} is a repetitive surge rating and is guaranteed for the life of the product.
- Listed *SIDACTor* devices are bi-directional. All electrical parameters and surge ratings apply 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.
- Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is a typical value for "ZA" and "ZB" product. "ZC" capacitance is approximately 2x the listed value.
- Lower capacitance MC versions may be available. Contact factory for further information.

Surge Ratings

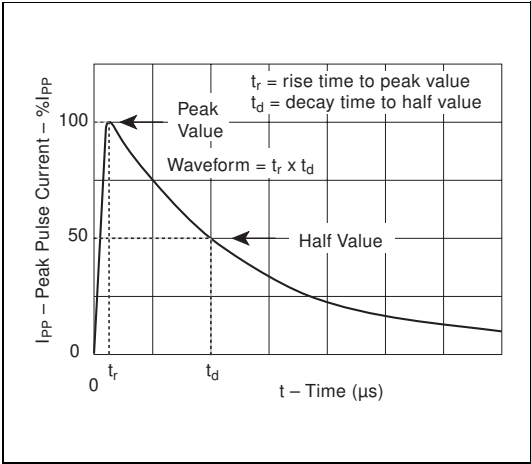
Series	I _{PP} 2x10 μ s Amps	I _{PP} 8x20 μ s Amps	I _{PP} 10x160 μ s Amps	I _{PP} 10x560 μ s Amps	I _{PP} 10x1000 μ s Amps	I _{TSM} 60 Hz Amps	di/dt Amps/ μ s
A	150	150	90	50	45	20	500
B	250	250	150	100	80	30	500
C	500	400	200	150	100	50	500

Thermal Considerations

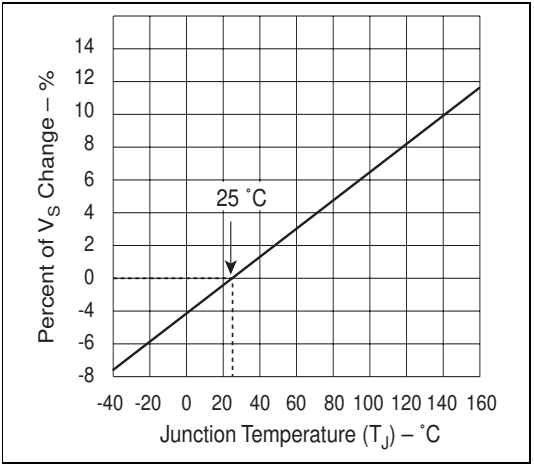
Package	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature Range	-40 to +150	$^{\circ}\text{C}$
	T_S	Storage Temperature Range	-65 to +150	$^{\circ}\text{C}$
	$R_{\theta JA}$	Thermal Resistance: Junction to Ambient	90	$^{\circ}\text{C/W}$



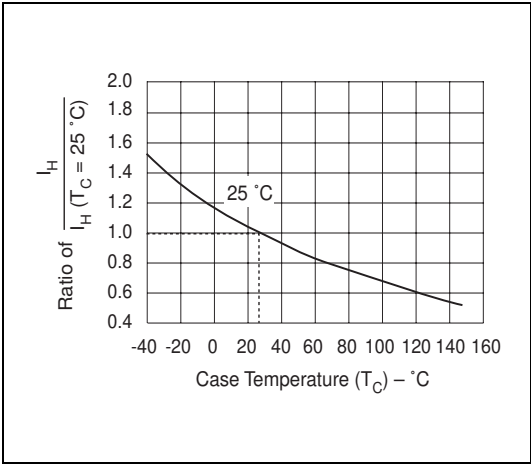
V-I Characteristics



$t_r \times t_d$ Pulse Waveform



Normalized V_S Change versus Junction Temperature



Normalized DC Holding Current versus Case Temperature

Data Sheets