



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





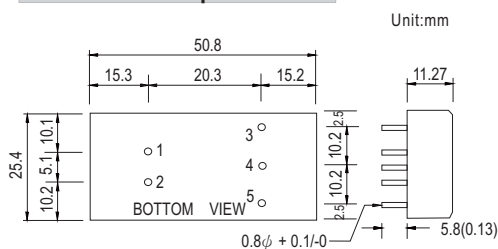
- Features :
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: FCC / CE
- 2 years warranty



**SPECIFICATION**

ORDER NO.	SLW05A-05	SLW05B-05	SLW05C-05	SLW05A-09	SLW05B-09	SLW05C-09	SLW05A-12	SLW05B-12	SLW05C-12	SLW05A-15	SLW05B-15	SLW05C-15			
<b>OUTPUT</b>	DC VOLTAGE			9V			12V			15V					
	CURRENT RANGE			55.6 ~ 556mA			41.7 ~ 417mA			33.3 ~ 333mA					
	RATED POWER												5W		
	VOLTAGE ACCURACY												±2.0%		
	RIPPLE & NOISE (max.) Note.2			60mVp-p			60mVp-p			60mVp-p					
	LINE REGULATION Note.3			±0.2%											
	LOAD REGULATION Note.4			±0.5%											
	SWITCHING FREQUENCY												50KHz min.		
<b>INPUT</b>	VOLTAGE RANGE												A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC		
	EFFICIENCY (Typ.)			75%	77%	77%	80%	80%	83%	80%	80%	83%	81%	81%	85%
	DC CURRENT			Full load			A: 556mA B: 270mA C: 135mA			No load			A: 33mA B: 16mA C: 10mA		
	FILTER												Pi network		
	PROTECTION												Fuse recommended		
<b>PROTECTION (Note. 5)</b>	OVER CURRENT												160 ~ 250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	SHORT CIRCUIT												All output equipped with short circuit Protection type : Hiccup mode, recovers automatically after fault condition is removed		
<b>ENVIRONMENT</b>	WORKING TEMP.												-25 ~ +71°C (Refer to "Derating Curve")		
	WORKING HUMIDITY												20% ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY												-25 ~ +105°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT												±0.03% / °C (0 ~ 50°C)		
	VIBRATION												10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
<b>SAFETY &amp; EMC</b>	SAFETY STANDARDS												EAC TP TC 004 approved		
	WITHSTAND VOLTAGE												I/P-O/P:1KVDC		
	ISOLATION RESISTANCE												I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH		
	EMC EMISSION												Compliance to EN55032 Class B, FCC part 15 Class B, EAC TP TC 020		
	EMC IMMUNITY												Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020		
<b>OTHERS</b>	MTBF												800khrs min. MIL-HDBK-217F(25°C)		
	DIMENSION												50.8*25.4*11.27mm or 2**1**0.44" inch (L*W*H)		
	WEIGHT												32g		

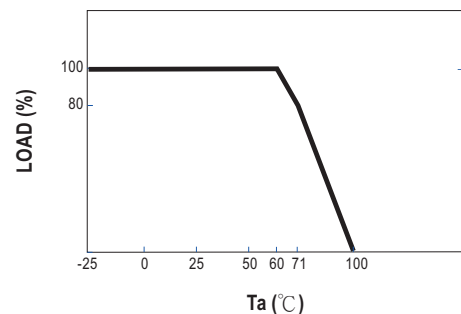
■ Mechanical Specification



■ Pin Configuration

Pin no.	Output Single
1	+Vin
2	-Vin
3	+Vout
4	No Pin
5	-Vout

■ Derating Curve



**NOTE**

1. All parameters are specified at normal input, rated load, 25°C 70% RH ambient.
2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
3. Line regulation is measured from low line to high line at rated load.
4. Load regulation is measured from 10% to 100% rated load.
5. Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.