



- 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
 - Five-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability
 - Approvals: FCC / CE
 - 2 years warranty

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



SPECIFICATION

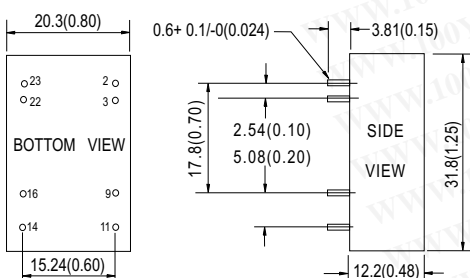
ORDER NO.	SCW05A-05	SCW05B-05	SCW05C-05	SCW05A-09	SCW05B-09	SCW05C-09	SCW05A-12	SCW05B-12	SCW05C-12	SCW05A-15	SCW05B-15	SCW05C-15		
OUTPUT	DC VOLTAGE	5V			9V			12V			15V			
	CURRENT RANGE	100 ~ 1000mA			56 ~ 556mA			47 ~ 470mA			40 ~ 400mA			
	RATED POWER	5W			5W			5.6W			6W			
	RIPPLE & NOISE (max.) Note.2	50mVp-p			60mVp-p			60mVp-p			60mVp-p			
	LINE REGULATION Note.3	±0.5%			±0.5%			±0.5%			±0.5%			
	LOAD REGULATION Note.4	±0.5%			±0.5%			±0.5%			±0.5%			
	VOLTAGE ACCURACY	±2.0%			±2.0%			±2.0%			±2.0%			
	SWITCHING FREQUENCY	50KHz min.			50KHz min.			50KHz min.			50KHz min.			
INPUT	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC												
	EFFICIENCY (Typ.)	75%	77%	77%	80%	81%	83%	80%	82%	83%	81%	83%	81%	
	DC CURRENT	Full load	A: 617mA B: 301mA C: 147mA											
	No load	A: 41mA B: 22mA C: 12mA												
FILTER	Pi network													
PROTECTION	Fuse recommended													
PROTECTION (Note. 5)	OVERLOAD	150 ~ 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												
ENVIRONMENT	WORKING TEMP.	-25 ~ +71°C (Refer to output load 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./1 cycle, period for 60min. each along X, Y, Z axes												
SAFETY & EMC	WITHSTAND VOLTAGE	I/P-O/P: 1KVDC												
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH												
	ISOLATION CAPACITANCE	80pF max.												
	EMI CONDUCTION & RADIATION	Compliance to EN55022 Class B, FCC part 15 Class B												
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A												
OTHERS	MTBF	900khrs min. MIL-HDBK-217F(25°C)												
	DIMENSION	31.8*20.3*12.2mm or 1.25**0.80**0.48" inch (L*W*H)												
	WEIGHT	15g												

Mechanical Specification

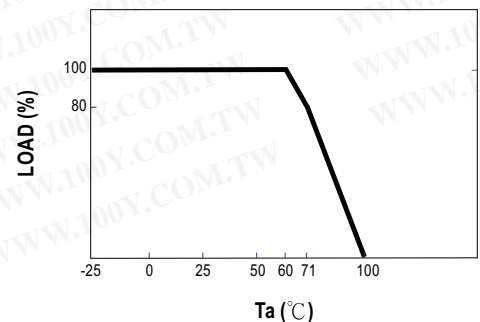
Pin Configuration

Derating Curve

Unit:mm(inch)



Pin No.	Output
2 & 3	-Vin
9	N.C.
11	N.C.
14	+Vout
16	-Vout
22 & 23	+Vin



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.