

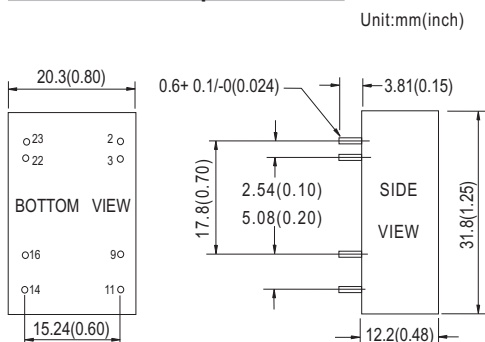
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Five-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability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



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			9V			12V			15V		
	CURRENT RANGE			111 ~ 556mA			94 ~ 470mA			80 ~ 400mA		
	RATED POWER			5W			5.6W			6W		
	RIPPLE & NOISE (max.) Note.2			60mVp-p			60mVp-p			60mVp-p		
	LINE REGULATION Note.3			±0.5%			±0.5%			±0.5%		
	LOAD REGULATION Note.4			±0.5%			±0.5%			±0.5%		
	VOLTAGE ACCURACY			±2.0%			±2.0%			±2.0%		
SWITCHING FREQUENCY			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.											
	-40 ~ +71°C (Refer to output load derating curve)											
	WORKING HUMIDITY											
	20% ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY											
-40 ~ +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.												
EMC EMISSION												
Compliance to EN55022 Class B, FCC part 15 Class B												
EMC 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												

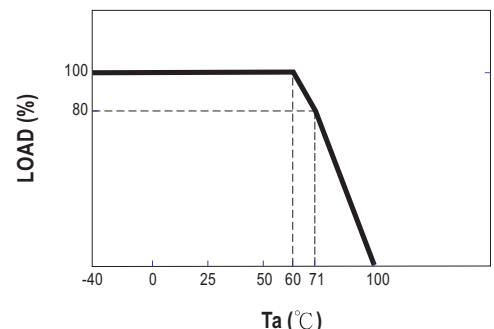
Mechanical Specification



Pin Configuration

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

Derating Curve



NOTE

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

Mouser Electronics

Authorized Distributor

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Mean Well:

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[SCW05C-12](#)