

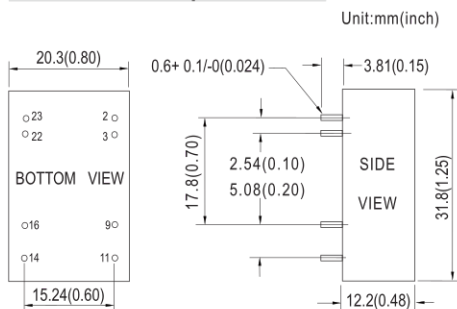
- Features :
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- 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		
<b>OUTPUT</b>	DC VOLTAGE		5V		9V		12V		15V					
	CURRENT RANGE		200 ~ 1000mA		111 ~ 556mA		94 ~ 470mA		80 ~ 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%											
	LOAD REGULATION Note.4		±0.5%											
	VOLTAGE ACCURACY		±2.0%											
SWITCHING FREQUENCY		50KHz min.												
<b>INPUT</b>	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												
<b>PROTECTION (Note. 5)</b>	OVERLOAD													
	150 ~ 250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed													
<b>PROTECTION (Note. 5)</b>	SHORT CIRCUIT													
	All output equipped with short circuit Protection type : Hiccup mode, recovers automatically after fault condition is removed													
<b>ENVIRONMENT</b>	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												
<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											
	ISOLATION CAPACITANCE		80pF max.											
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													
	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

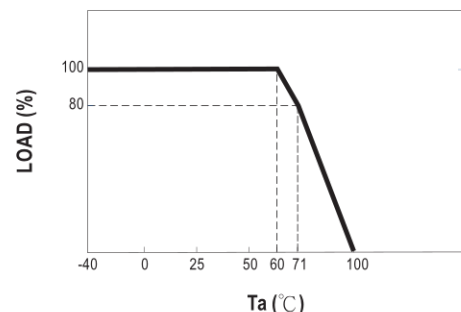


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

■ Pin Configuration

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

■ 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 20% to 100% rated load.
5. Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.