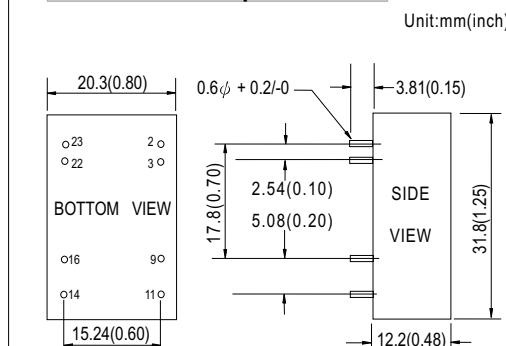



■ Features :

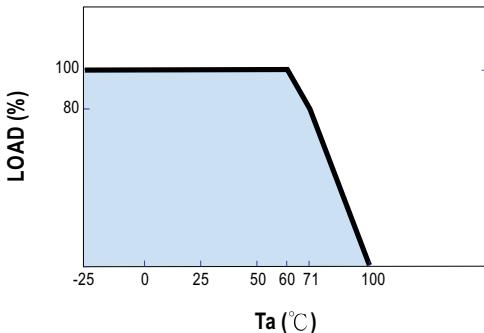
- 2:1 wide input range
- 4:1 wide input range(optional)
- 1000VDC I/O isolation
- Input Pi network filter
- Protections: Short circuit / Over load
- Free air convection
- Five-sided shield metal case
- High reliability/ Low cost
- 100% burn-in test
- 1 year warranty

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	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%						
	LOAD REGULATION Note.4						±0.5%						
	VOLTAGE ACCURACY						±2%						
	SWITCHING FREQUENCY						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%	85%
	DC CURRENT	Full load	A: 617mA	B: 301mA	C: 147mA								
	FILTER	No load	A: 41mA	B: 22mA	C: 12mA								
PROTECTION (Note. 5)	OVER LOAD	150~250% rated output power											
		Protection type : Hiccup mode, recovers automatically after fault condition is removed											
	SHORT CIRCUIT	All output equipped with short circuit											
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	WITHSTAND VOLTAGE	I/P-O/P:1KVDC											
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC											
	ISOLATION CAPACITANCE	80pF max.											
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 Single
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 10% to 100% rated load.
- 5.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.