

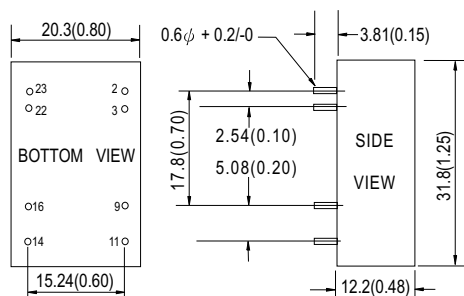
- Features :
- 2:1 wide input range
 - 4:1 wide input range(optional)
 - 1000VDC I/O isolation
 - Input Pi network filter
 - Protections: Short circuit / Over load
 - Free air convection
 - Five-sided shield metal case
 - High reliability/ Low cost
 - 100% burn-in test
 - 1 year warranty

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										
			No load A: 41mA B: 22mA C: 12mA										
FILTER		Pi network											
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										
			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	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

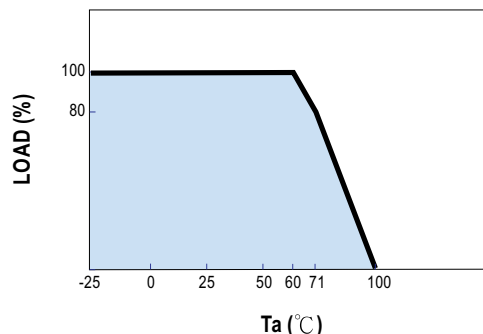
Unit:mm(inch)



■ 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.