



■ Features :

- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Input Pi network 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
- 1 year warranty

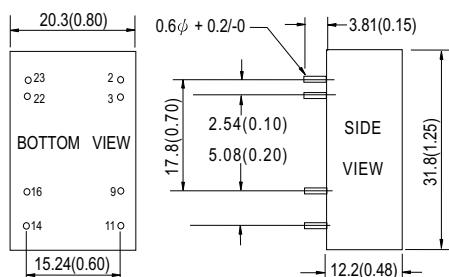


SPECIFICATION

ORDER NO.		SCW03A-05	SCW03B-05	SCW03C-05	SCW03A-12	SCW03B-12	SCW03C-12	SCW03A-15	SCW03B-15	SCW03C-15	
OUTPUT	DC VOLTAGE	5V			12V			15V			
	CURRENT RANGE	60 ~ 600mA			25 ~ 250mA			20 ~ 200mA			
	RATED POWER	3W									
	RIPPLE & NOISE (max.) Note.2	50mVp-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.									
INPUT	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC									
	EFFICIENCY (Typ.)	74%	75%	76%	80%	80%	82%	80%	80%	82%	
	DC CURRENT	Full load	A: 338mA	B: 167mA	C: 83mA						
		No load	A: 18mA	B: 10mA	C: 5mA						
FILTER		Pi network									
PROTECTION (Note. 5)	OVERLOAD	160 ~ 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℃ (Refer to output load derating curve)									
	WORKING HUMIDITY	20% ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-25 ~ +105℃, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50℃)									
	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℃ / 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℃)									
	DIMENSION	31.8*20.3*12.2mm or 1.25**0.80**0.48" inch (L*W*H)									
	WEIGHT	15g									

■ Mechanical Specification

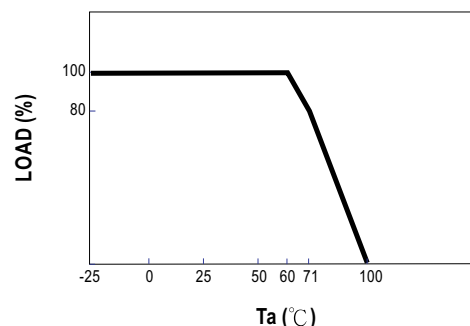
Unit:mm(inch)



■ 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.