



■ Features :

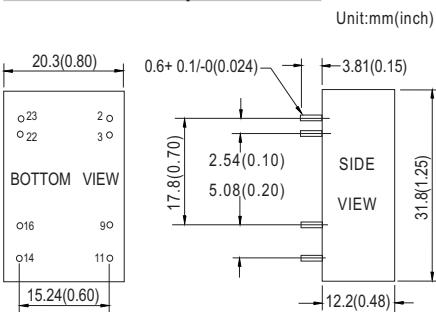
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: FCC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



SPECIFICATION

ORDER NO.	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%							
INPUT	SWITCHING FREQUENCY	50KHz min.							
	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC							
	EFFICIENCY (Typ.)	74%	75%	76%	80%	80%	82%	80%	82%
	DC CURRENT	Full load A: 338mA B: 167mA C: 83mA							
		No load A: 18mA B: 10mA C: 5mA							
PROTECTION (Note. 5)	FILTER	Pi network							
	PROTECTION	Fuse recommended							
	OVERLOAD	160 ~ 250% rated output power							
		Protection type : Hiccup mode, recovers automatically after fault condition is removed							
ENVIRONMENT	SHORT CIRCUIT	All output equipped with short circuit							
		Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	WORKING TEMP.	-40 ~ +71°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
SAFETY & EMC	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 STANDARDS	EAC TP TC 004 approved							
OTHERS	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							
	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

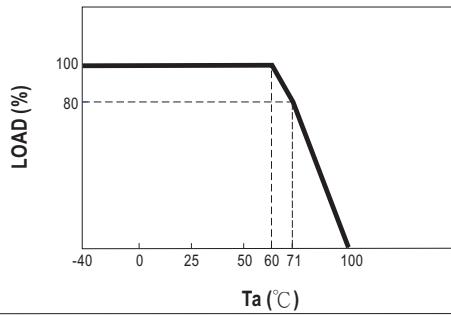


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

■ Pin Configuration

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

■ Derating Curve



NOTE

- 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 10% 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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[MEAN WELL:](#)

[SCW03C-12](#) [SCW03C-15](#)