



THE DATASHEET OF SCW03C-05





- 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

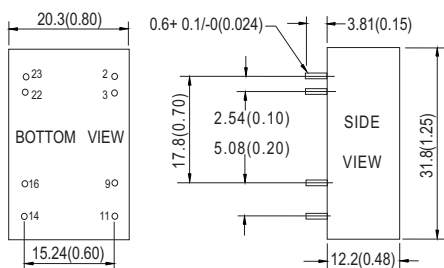


SPECIFICATION

ORDER NO.	SCW03A-05	SCW03B-05	SCW03C-05	SCW03A-12	SCW03B-12	SCW03C-12	SCW03A-15	SCW03B-15	SCW03C-15	
OUTPUT	DC VOLTAGE			12V			15V			
	CURRENT RANGE			25 ~ 250mA			20 ~ 200mA			
	RATED POWER									3W
	RIPPLE & NOISE (max.) Note.2			50mVp-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									Fuse recommended
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.									-40 ~ +71°C (Refer to "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
SAFETY & EMC	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
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)

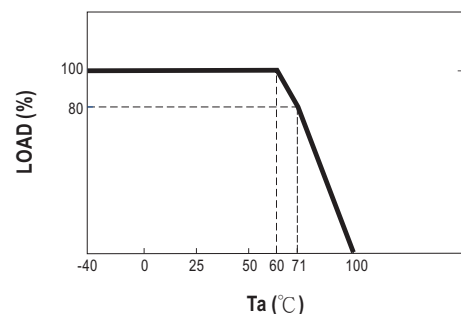


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

Pin Configuration

Pin no.	Output
2 & 3	Single
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.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View SCW03C-05 on WIN SOURCE](#)
- [Mean Well Enterprises Co., Ltd. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management