



THE DATASHEET OF SCW03B-05





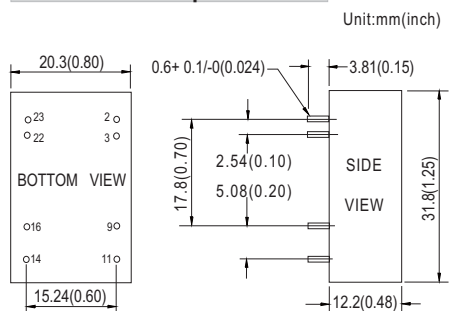
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Five-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability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

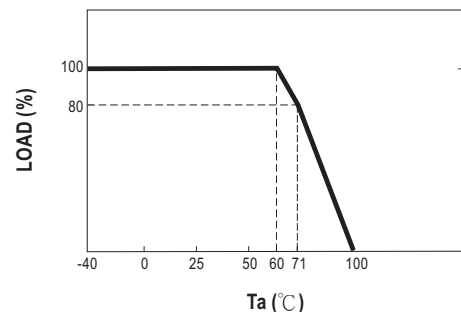


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

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.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View SCW03B-05 on WIN SOURCE](#)
- [Mean Well Enterprises Co., Ltd. Information](#)

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
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