



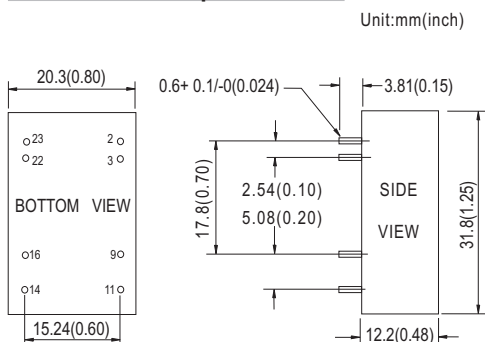
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Five-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability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



SPECIFICATION

ORDER NO.	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			9V			12V			15V					
	CURRENT RANGE			111 ~ 556mA			94 ~ 470mA			80 ~ 400mA					
	RATED POWER			5W			5.6W			6W					
	RIPPLE & NOISE (max.) Note.2			60mVp-p			60mVp-p			60mVp-p					
	LINE REGULATION Note.3			±0.5%			±0.5%			±0.5%					
	LOAD REGULATION Note.4			±0.5%			±0.5%			±0.5%					
	VOLTAGE ACCURACY			±2.0%			±2.0%			±2.0%					
INPUT	SWITCHING FREQUENCY			50KHz min.			50KHz min.			50KHz min.					
	VOLTAGE RANGE			A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC			A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC			A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC					
	EFFICIENCY (Typ.)			75%	77%	77%	80%	81%	83%	80%	82%	83%	81%	83%	81%
	DC CURRENT			Full load A: 617mA B: 301mA C: 147mA			Full load A: 617mA B: 301mA C: 147mA			Full load A: 617mA B: 301mA C: 147mA					
	No load			A: 41mA B: 22mA C: 12mA			A: 41mA B: 22mA C: 12mA			A: 41mA B: 22mA C: 12mA					
PROTECTION (Note. 5)	OVERLOAD			150 ~ 250% rated output power			150 ~ 250% rated output power			150 ~ 250% rated output power					
	Protection type			Hiccup mode, recovers automatically after fault condition is removed			Hiccup mode, recovers automatically after fault condition is removed			Hiccup mode, recovers automatically after fault condition is removed					
	SHORT CIRCUIT			All output equipped with short circuit			All output equipped with short circuit			All output equipped with short circuit					
	Protection type			Hiccup mode, recovers automatically after fault condition is removed			Hiccup mode, recovers automatically after fault condition is removed			Hiccup mode, recovers automatically after fault condition is removed					
ENVIRONMENT	WORKING TEMP.			-40 ~ +71°C (Refer to output load derating curve)			-40 ~ +71°C (Refer to output load derating curve)			-40 ~ +71°C (Refer to output load derating curve)					
	WORKING HUMIDITY			20% ~ 90% RH non-condensing			20% ~ 90% RH non-condensing			20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY			-40 ~ +105°C, 10 ~ 95% RH			-40 ~ +105°C, 10 ~ 95% RH			-40 ~ +105°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT			±0.03% / °C (0 ~ 50°C)			±0.03% / °C (0 ~ 50°C)			±0.03% / °C (0 ~ 50°C)					
	VIBRATION			10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes			10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes			10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC	WITHSTAND VOLTAGE			I/P-O/P:1KVDC			I/P-O/P:1KVDC			I/P-O/P:1KVDC					
	ISOLATION RESISTANCE			I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH			I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH			I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH					
	ISOLATION CAPACITANCE			80pF max.			80pF max.			80pF max.					
	EMC EMISSION			Compliance to EN55022 Class B, FCC part 15 Class B			Compliance to EN55022 Class B, FCC part 15 Class B			Compliance to EN55022 Class B, FCC part 15 Class B					
OTHERS	EMC IMMUNITY			Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A			Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A			Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A					
	MTBF			900khrs min. MIL-HDBK-217F(25°C)			900khrs min. MIL-HDBK-217F(25°C)			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)			31.8*20.3*12.2mm or 1.25"*0.80"*0.48" inch (L*W*H)			31.8*20.3*12.2mm or 1.25"*0.80"*0.48" inch (L*W*H)					
WEIGHT			15g			15g			15g						

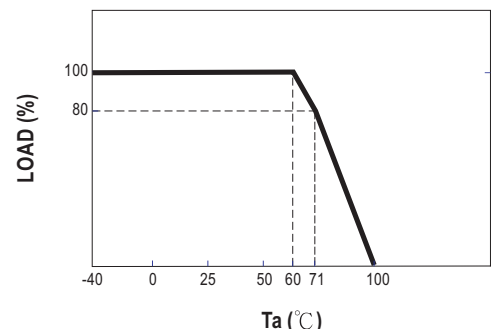
Mechanical Specification



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 20% to 100% rated load.
- Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.