



■ Features :

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

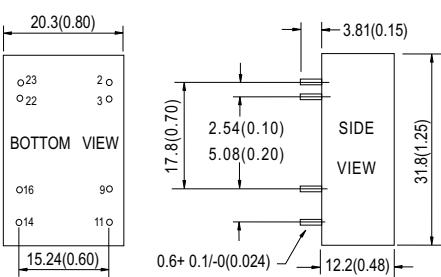
SPECIFICATION



ORDER NO.	SCW08A-05	SCW08B-05	SCW08C-05	SCW08A-12	SCW08B-12	SCW08C-12	SCW08A-15	SCW08B-15	SCW08C-15
OUTPUT	DC VOLTAGE	5V		12V			15V		
	CURRENT RANGE	320 ~ 1600mA			134 ~ 670mA			106 ~ 533mA	
	RATED POWER	8W							
	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.)	75%	78%	78%	80%	82%	81%	79%	81%
	DC CURRENT	Full load	A: 888mA	B: 426mA	C: 215mA				
		No load	A: 50mA	B: 25mA	C: 15mA				
PROTECTION (Note. 5)	FILTER	Pi network							
	PROTECTION	Fuse recommended							
	OVERLOAD	110 ~ 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°C (Refer to output load derating curve)							
	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-25 ~ +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	WITHSTAND VOLTAGE	I/P-O/P:1KVDC							
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH							
	ISOLATION CAPACITANCE	250pF max.							
OTHERS	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°C)							
	DIMENSION	31.8*20.3*12.2mm or 1.25" * 0.80" * 0.48" inch (L*W*H)							
	WEIGHT	15g							

■ Mechanical Specification

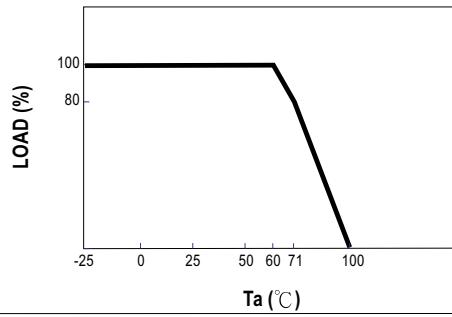
Unit:mm(inch)



■ Pin Configuration

Pin No.	Output
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 20% to 100% rated load.
5. Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.