



- 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

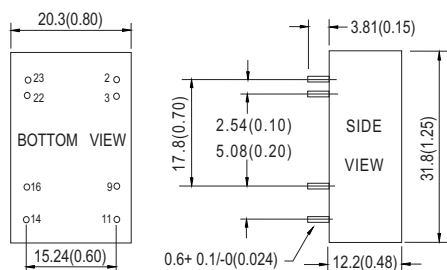
SPECIFICATION



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%									
	SWITCHING FREQUENCY	50KHz min.									
EXTERNAL CAPACITANCE LOAD (max.)		1000uF			220uF			220uF			
INPUT	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC									
	EFFICIENCY (Typ.)	75%	78%	78%	80%	82%	81%	79%	81%	81%	
	DC CURRENT	Full load	A: 888mA B: 426mA C: 215mA								
		No load	A: 50mA B: 25mA C: 15mA								
	FILTER	Pi network									
PROTECTION		Fuse recommended									
PROTECTION (Note. 5)	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.	-40 ~ +71℃ (Refer to "Derating Curve")									
	WORKING HUMIDITY	20% ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-40 ~ +105℃, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50℃)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes									
SAFETY	SAFETY STANDARDS	EAC TP TC 004 approved									
	WITHSTAND VOLTAGE	I/P-O/P:1KVDC									
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25℃ / 70% RH									
	ISOLATION CAPACITANCE	250pF 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℃)									
	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)

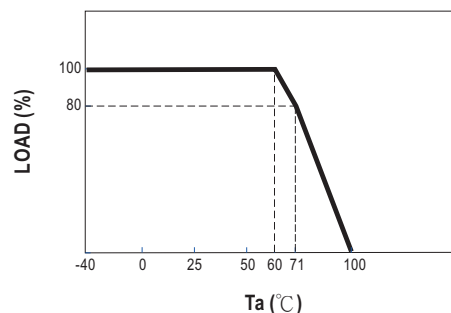


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

Pin Configuration

Pin No.	Output
2 & 3	-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.