

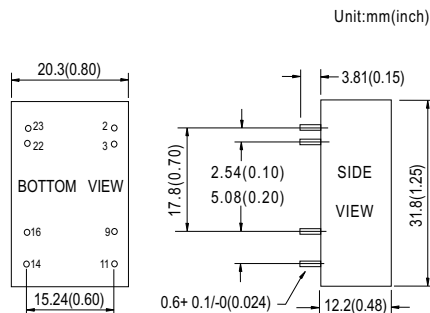
- Features :
 - 2:1 wide input range
 - 1000VDC I/O isolation
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Five-sided shield metal case
 - 100% full load burn-in test
 - Low cost / High reliability
 - 2 years warranty



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.								
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°C (Refer to output load 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	WITHSTAND VOLTAGE		I/P-O/P:1KVDC								
	ISOLATION RESISTANCE		I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH								
	ISOLATION CAPACITANCE		250pF max.								
	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								

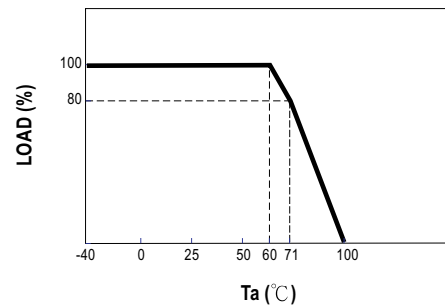
■ Mechanical Specification



■ 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.