



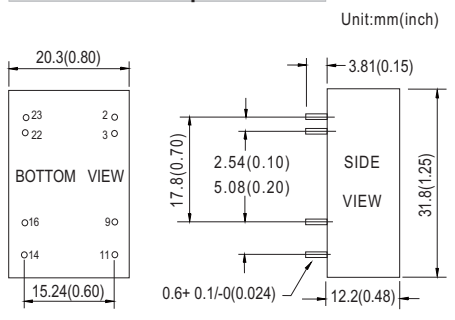
- Features :
 - 2:1 wide input range
 - 1000VDC I/O isolation
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Five-sided shield metal case
 - 100% full load burn-in test
 - Low cost / High reliability
 - 2 years warranty



SPECIFICATION

ORDER NO.	SCW08A-05	SCW08B-05	SCW08C-05	SCW08A-12	SCW08B-12	SCW08C-12	SCW08A-15	SCW08B-15	SCW08C-15		
OUTPUT	DC VOLTAGE			12V			15V				
	CURRENT RANGE			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°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	SAFETY STANDARDS									EAC TP TC 020/2011 approved	
	WITHSTAND VOLTAGE									I/P-O/P:1KVDC	
	ISOLATION RESISTANCE									I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH	
	ISOLATION CAPACITANCE									250pF max.	
	EMC EMISSION									Compliance to BS EN/EN55032 Class B, FCC part 15 Class B, EAC TP TC 020	
EMC IMMUNITY									Compliance to BS EN/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

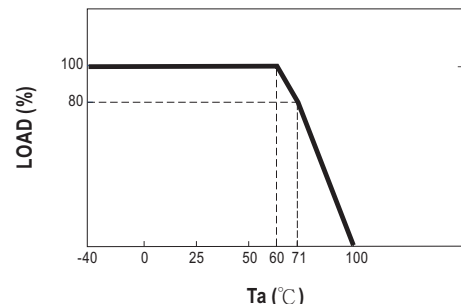


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

■ 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 20% to 100% rated load.
 - Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.
- ※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[MEAN WELL:](#)

[SCW08A-12](#) [SCW08C-05](#)