



- 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

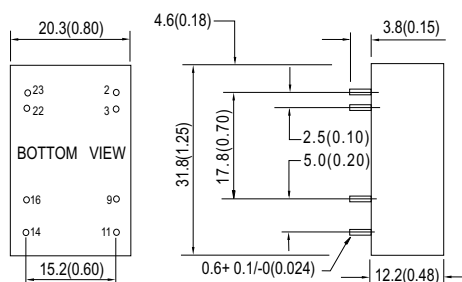


SPECIFICATION

ORDER NO.	DCW08A-05	DCW08B-05	DCW08C-05	DCW08A-12	DCW08B-12	DCW08C-12	DCW08A-15	DCW08B-15	DCW08C-15	
OUTPUT	DC VOLTAGE			±5V			±12V			±15V
	CURRENT RANGE			±160 ~ ±800mA			±66 ~ ±335mA			±52 ~ ±267mA
	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% 80% 80% 80% 80% 80%									
	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 load Protection type : Hiccup mode, recovers automatically after fault condition is removed									
SHORT CIRCUIT										
All output equipped with over current protection 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./1cycle, period for 60min. each along X, Y, Z axes										
SAFETY & EMC	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 (L*W*H) or 1.25**0.80**0.48" inch (L*W*H)										
PACKING										
15g										

Mechanical Specification

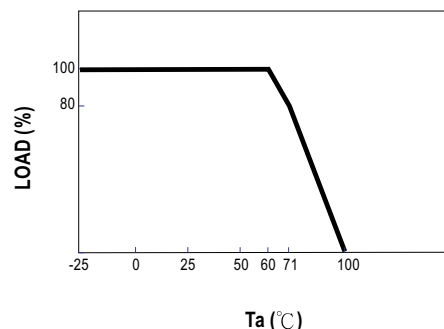
Unit:mm(inch)



Pin Configuration

Pin No.	Output
2 & 3	-Vin
9	COM
11	-Vout
14	+Vout
16	COM
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.