



- 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

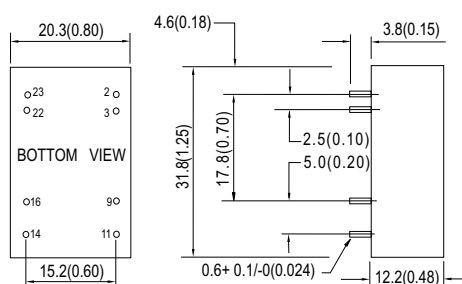


SPECIFICATION

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%	
	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								
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A								
	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

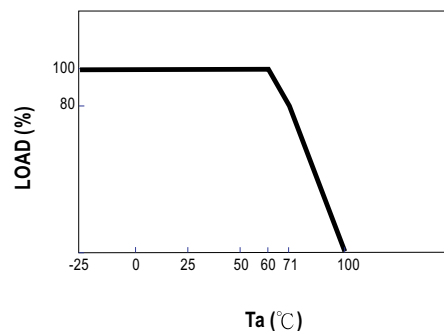
Unit:mm(inch)



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.

Mouser Electronics

Authorized Distributor

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

MEAN WELL:

[DCW08A-15](#) [DCW08C-05](#) [DCW08C-12](#) [DCW08C-15](#) [DCW08B-12](#) [DCW08A-12](#) [DCW08B-05](#) [DCW08B-15](#)
[DCW08A-05](#)