



# THE DATASHEET OF DCW08B-15





- Features :
  - 2:1 wide input range
  - 1500VDC 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

■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>



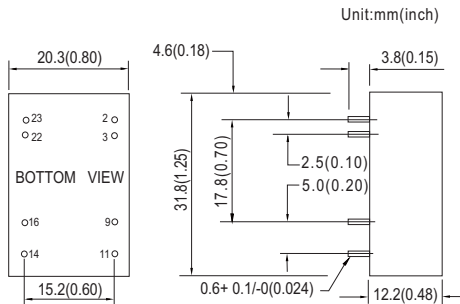
SPECIFICATION

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.	-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./1cycle, period for 60min. each along X, Y, Z axes								
SAFETY & EMC	SAFETY STANDARDS	EAC TP TC 020/2011 approved								
	WITHSTAND VOLTAGE	I/P-O/P: 1.5KVDC								
	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								
OTHERS	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020								
	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	17.5g ; 15pcs/per tube, 750pcs/50 tube/per carton								

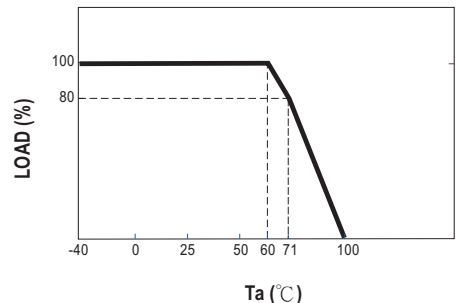
■ Mechanical Specification

■ Pin Configuration

■ Derating Curve



Pin No.	Output
2 & 3	-Vin
9	COM
11	-Vout
14	+Vout
16	COM
22 & 23	+Vin



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

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>

**Packing**

Standard Tube Packing	MPQ Per Tube (PCS)	One Tube G.W.	Max. Q'TY/ Carton(PCS)	One Carton G.W.
<p>Unit : mm</p> <p>CARTON L600 x W230 x H220</p>	15	313g	750	17Kg

**Installation Manual**

Please refer to : <http://www.meanwell.com/manual.html>

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View DCW08B-15 on WIN SOURCE](#)
- [Mean Well Enterprises Co., Ltd. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management