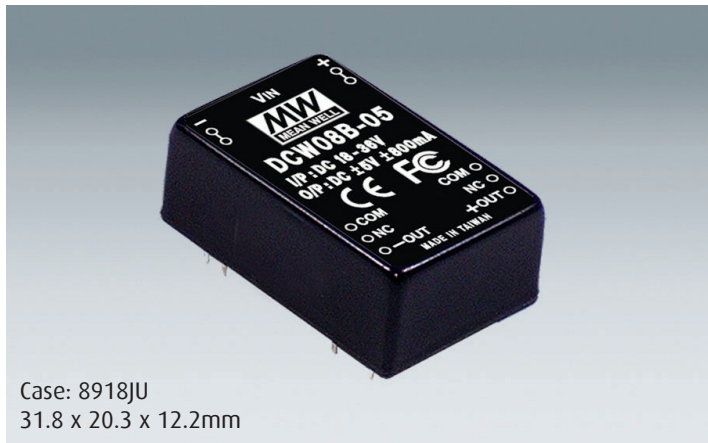


DCW08 Series

8W DC-DC Regulated Dual Output Converter



Case: 8918JU
31.8 x 20.3 x 12.2mm

Features

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



Specification

INPUT	Voltage	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC								
	DC Current	Full load A: 888mA B: 426mA C: 215mA No Load A: 50mA B: 25mA C: 15mA								
	Filter	Pi network								
	Protection	Fuse recommended								
OUTPUT	MODEL No.	DCW08A-05	DCW08B-05	DCW08C-05	DCW08A-12	DCW08B-12	DCW08C-12	DCW08A-15	DCW08B-15	DCW08C-15
	DC Voltage	±5V	±5V	±5V	±12V	±12V	±12V	±15V	±15V	±15V
	Current Range	±160 ~ 800mA			±66 ~ 335mA			±52 ~ 267mA		
	Rated Power	8W	8W	8W	8W	8W	8W	8W	8W	8W
	R&N	50mVp-p	50mVp-p	50mVp-p	60mVp-p	60mVp-p	60mVp-p	60mVp-p	60mVp-p	60mVp-p
	Efficiency	75%	78%	78%	80%	80%	80%	80%	80%	80%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Voltage Accuracy	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
	Switching Frequency	50KHz min								
	External Capacitance Load (max.)	67uF								
PROTECTION	Overload	110 ~ 250% rated output power 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 Temperature	-40 ~ +71°C (Please refer to 'Derating Curve' section)								
	Working Humidity	20 ~ 90% RH non-condensing								
	Storage Temp., Humidity	-40 ~ +105°C, 10 ~ 95% RH non-condensing								
	Temp Coefficient	±0.0.3%/°C (0 ~ 50°C)								
	Vibration	10 ~ 500Hz, 2G 10 min./1cycle, period for 60 min. 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.								
	EMC Emission	Compliance to EN55032 Class B, FCC part 15 Class B, EAC TP TC 020								
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020								
OTHERS	M.T.B.F.	900Khrs min. MIL-HDBK-217F (25°C)								
	Packing	15g								

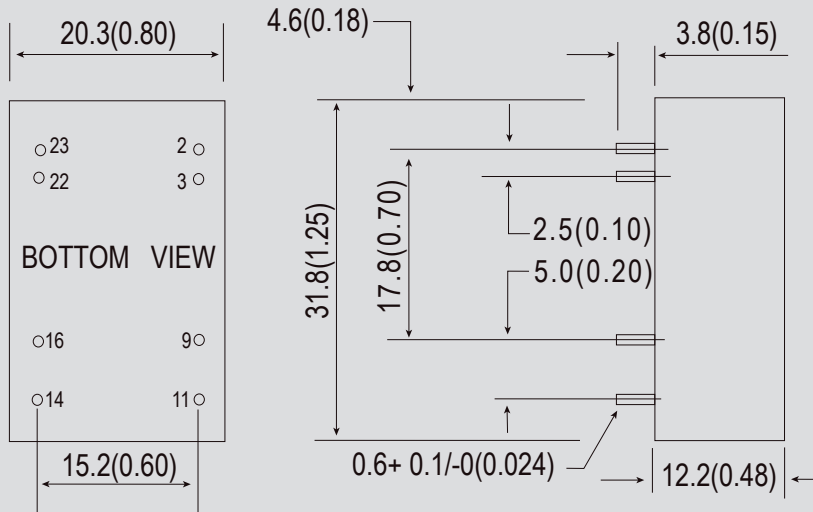
1. All parameters NOT specially mentioned are measured at 347VAC input, rated load and 25°C of ambient temperature.
2. Ripple and Noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with 0.1uF & 2.2uF parallel capacitor.
3. Line regulation is measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor.
4. Load regulation is measured from low line to high line at rated load.
5. Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.

DCW08 Series

8W DC-DC Regulated Dual Output Converter



Mechanical Diagram



Unit:mm

Pin Configuration

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

Derating Curve

