



8W DC-DC Regulated Dual Output Converter

DCW08 series



■ 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



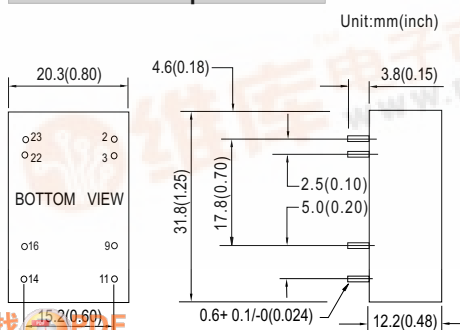
SPECIFICATION

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								
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								

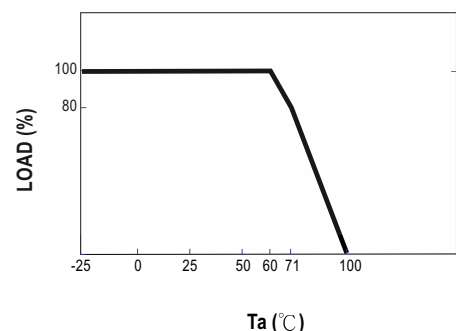
■ Mechanical Specification

■ Pin Configuration

■ Derating Curve



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



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.

