

8W DC-DC Regulated Dual Output Converter

DCW08 series

FCCE



90

11 C

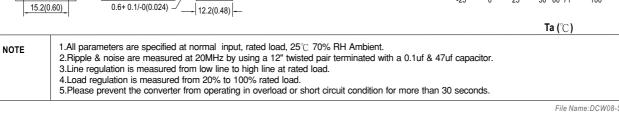
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Features :

- 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		I	±15V	1	
	CURRENT RANGE	±160 ~ ±800mA			±66 ~ ±335mA			±52 ~ ±267mA		
	RATED POWER	8W								
	RIPPLE & NOISE (max.) Note.2	50mVp-p			60mVp-p			60mVp-p		
		±0.5%								
	LOAD REGULATION Note.4	±0.5%								
	VOLTAGE ACCURACY	±2.0%	±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: 8	388mA B: 42	6mA C: 215r	nA 👝 🔰					
		No load A: 50mA B: 25mA C: 15mA								
	FILTER	Pi network								
	PROTECTION	Fuse recomme	ended							
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% R	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:1KVD	С							
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C/ 7			0% RH					
	ISOLATION CAPACITANCE	250pF max.								
	EMI CONDUCTION & RADIATION	Compliance to	o EN55022 CI	ass B, FCC pa	rt 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								
■ Me	echanical Specification	Unit:mm(inch)		Pin Config in No. Ou	uration tput	1		ting Curve		_



16

22&23

СОМ

+Vin

-25

0 25 50 60 71

100