



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

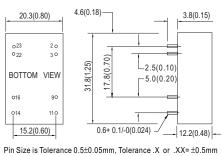
SPECIFICATION

FC [III CE

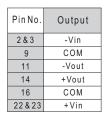
ORDER NO.		DCW08A-05	DCW08B-05	DCW08C-05	DCW08A-12	DCW08B-12	DCW08C-12	DCW08A-15	DCW08B-15	DCW08C-15
	DC VOLTAGE	±5V			±12V			±15V		
ОИТРИТ	CURRENT RANGE	±160 ~ ±800mA			±66 ~ ±335mA			±52 ~ ±267mA		
	RATED POWER	8W								
	RIPPLE & NOISE (max.) Note.2	50mVp-p			60mVp-p			60mVp-p		
	LINE REGULATION Note.3	±0.5%								
	LOAD REGULATION Note.4	±0.5%								
	VOLTAGE ACCURACY	<u>+2.0%</u>								
	SWITCHING FREQUENCY	50KHz min.								
	EXTERNAL CAPACITANCE LOAD (max.)	670uF			100uF			47uF		
INPUT	VOLTAGE RANGE		B: 18 ~ 36V							
	EFFICIENCY (Typ.)	75%	78%	78%	80%	80%	80%	80%	80%	80%
	DC CURRENT	Full load A: 888mA B: 426mA C: 215mA								
			50mA B: 25	mA C: 15m	ıA					
	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 004 approved								
	WITHSTAND VOLTAGE	I/P-O/P:1KVDC								
	ISOLATION RESISTANCE ISOLATION CAPACITANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH								
		250pF max.								
	EMC EMISSION	Compliance to EN55032 Class B, FCC part 15 Class B, EAC TP TC 020								
OTHERS	EMC IMMUNITY MTBF	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020 900khrs min. MIL-HDBK-217F (25°C)								
		31.8*20.3*12.2mm (L*W*H) or 1.25"*0.80"*0.48" inch (L*W*H)								
	DIMENSION	15q								
	PACKING	159								

■ Mechanical Specification

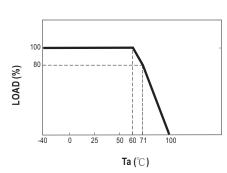




■ Pin Configuration



■ 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.

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