



■ Features :

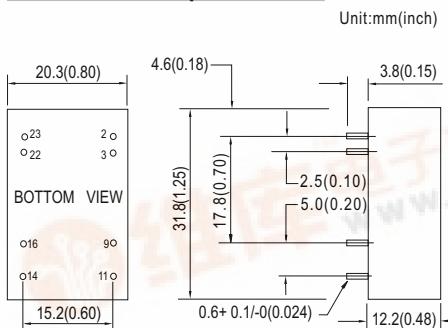
- 2:1 wide input range
- 1000VDC I/O isolation
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty

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%							
INPUT	SWITCHING FREQUENCY	50KHz min.							
	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							
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							
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A							
	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							

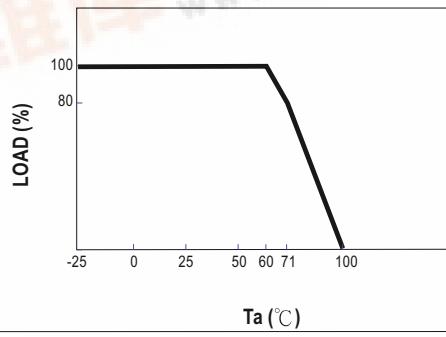
■ Mechanical Specification



■ Pin Configuration

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

■ Derating Curve



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.