

■ Features :

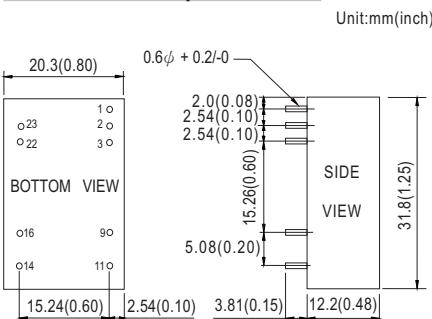
- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty



SPECIFICATION

ORDER NO.	DCW12A-05	DCW12B-05	DCW12C-05	DCW12A-12	DCW12B-12	DCW12C-12	DCW12A-15	DCW12B-15	DCW12C-15
OUTPUT	DC VOLTAGE	±5V		±12V			±15V		
	CURRENT RANGE	±240 ~ ±1200mA		±100 ~ ±500mA			±80 ~ ±400mA		
	RATED POWER	12W							
	RIPLLE & 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	400KHz min.							
INPUT	EXTERNAL CAPACITANCE LOAD (max.)	670uF		100uF			47uF		
	VOLTAGE RANGE	A: 9 ~ 18VDC	B: 18 ~ 36VDC	C: 36 ~ 72VDC					
	EFFICIENCY (Typ.)	80%	80%	81%	84%	84%	84%	83%	84%
	DC CURRENT	Full load	A: 1245mA	B: 625mA	C: 320mA				
		No load	A: 70mA	B: 35mA	C: 25mA				
PROTECTION Note.5	FILTER	PI network							
	PROTECTION	Fuse recommended							
	OVERLOAD	110 ~ 180% rated output load							
		Protection type : Hiccup mode, recovers automatically after fault condition is removed							
ENVIRONMENT	SHORT CIRCUIT	All output equipped with over current protection							
		Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	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							
SAFETY & EMC	TEMP. COEFFICIENT	±0.05% / °C (0 ~ 50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVDC							
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH							
	ISOLATION CAPACITANCE	2200pF max.							
OTHERS	EMC EMISSION	Compliance to EN55032 Class A, FCC part 15 Class A							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A							
	REMOTE CONTROL	Power ON: R.C. ~ -Vin > 4VDC or open ; Power OFF: R.C. ~ -Vin < 1VDC or short							
	MTBF	600Khrs 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	18.5g							

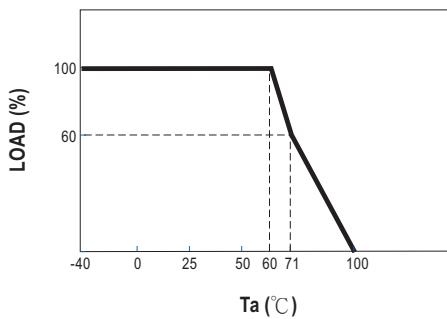
■ Mechanical Specification



■ Pin Configuration

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

■ 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.