



## Features :

- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Input Pi network filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: FCC / CE
- 1 year warranty

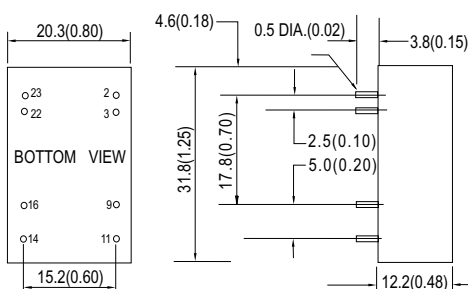


## SPECIFICATION

ORDER NO.	DCW05A-05	DCW05B-05	DCW05C-05	DCW05A-12	DCW05B-12	DCW05C-12	DCW05A-15	DCW05B-15	DCW05C-15
OUTPUT	DC VOLTAGE	±5V			±12V			±15V	
	CURRENT RANGE	±50 ~ ±500mA			±23 ~ ±230mA			±19 ~ ±190mA	
	RATED POWER	5W			5.5W			5.7W	
	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%	77%	77%	80%	82%	83%	81%	83%
	DC CURRENT	Full load A: 586mA B: 286mA C: 139mA							
		No load A: 41mA B: 21mA C: 12mA							
PROTECTION	FILTER	Pi network							
	OVERLOAD	150 ~ 250% rated output load							
		Protection type : Shunt down o/p voltage, re-power on to recover							
ENVIRONMENT	SHORT CIRCUIT	All output equipped with over current protection							
		Protection type : Shun down o/p voltage, re-power on to recover							
SAFETY & EMC (Note. 5)	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							
OTHERS	WITHSTAND VOLTAGE	I/P-O/P:1KVDC							
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH							
	ISOLATION CAPACITANCE	80pF 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							
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

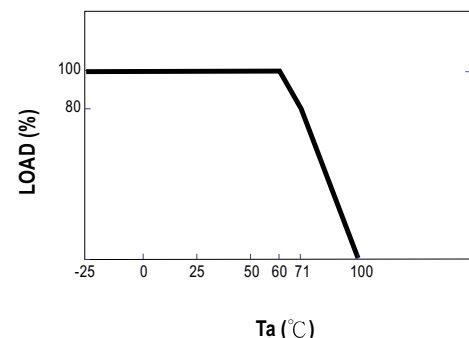
Unit:mm(inch)



## Pin Configuration

Pin No.	Output
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 10% to 100% rated load.
  - 5.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.