



- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI 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
 - 2 years warranty

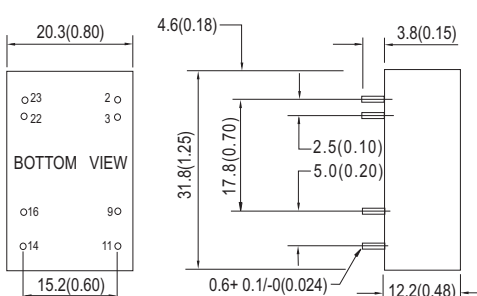


SPECIFICATION

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	±100 ~ ±500mA			±46 ~ ±230mA			±38 ~ ±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%	85%	
	DC CURRENT	Full load	A: 586mA B: 286mA C: 139mA								
		No load	A: 41mA B: 21mA C: 12mA								
	FILTER	Pi network									
PROTECTION	Fuse recommended										
PROTECTION	OVERLOAD	150 ~ 250% rated output load									
		Protection type : Shunt down o/p voltage, re-power on to recover									
	SHORT CIRCUIT	All output equipped with over current protection									
		Protection type : Shun down o/p voltage, re-power on to recover									
ENVIRONMENT	WORKING TEMP.	-40 ~ +71°C (refer to output load 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 (Note. 5)	WITHSTAND VOLTAGE	I/P-O/P: 1KVDC									
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH									
	ISOLATION CAPACITANCE	80pF max.									
	EMC EMISSION	Compliance to EN55022 Class B, FCC part 15 Class B									
	EMC 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									

Mechanical Specification

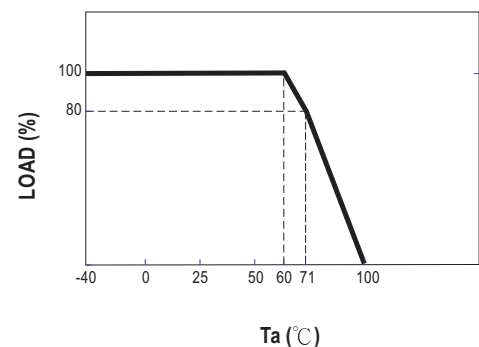
Unit:mm(inch)



Pin Configuration

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

Derating Curve



NOTE

- 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.
- 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.