

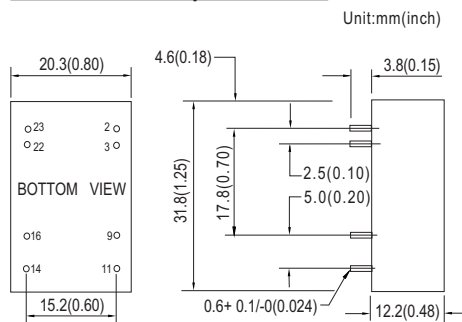
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Five-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability
 - 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									
PROTECTION	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 "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)	SAFETY STANDARDS									
	EAC TP TC 004 approved									
	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 EN55032 Class B, FCC part 15 Class B, EAC TP TC 020										
EMC IMMUNITY										
Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020										
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										

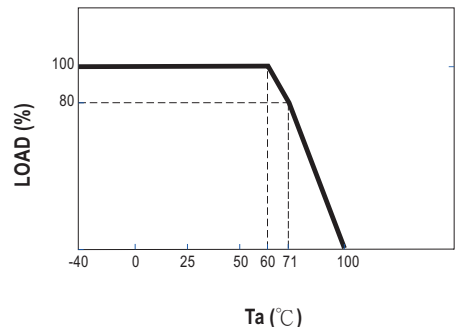
■ Mechanical Specification



■ Pin Configuration

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

■ Derating Curve



Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

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.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.

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