

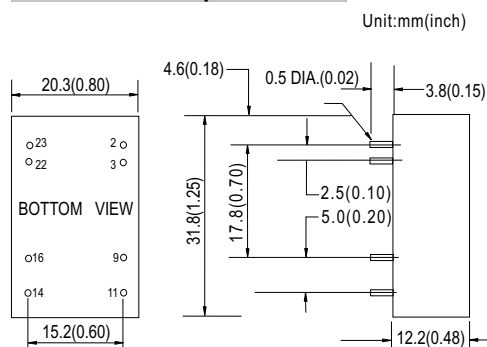


- Features :
- 2:1 wide input range
 - 4:1 wide input range(optional)
 - 1000VDC I/O isolation
 - Input Pi network filter
 - Protections: Short circuit/ Over load
 - Free air convection
 - Five-sided shield metal case
 - High reliability/ Low cost
 - 100% burn-in test
 - 1 year warranty

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%					
	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	OVER LOAD		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.		-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 (Note. 5)	WITHSTAND VOLTAGE		I/P-O/P:1KVDC								
	ISOLATION RESISTANCE		I/P-O/P: 100M Ohms / 500VDC								
	ISOLATION CAPACITANCE		80pF max.								
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								

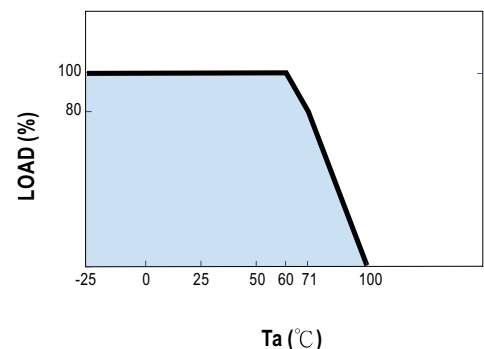
■ Mechanical Specification



■ Pin Configuration

Pin no.	Output Dual
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.