

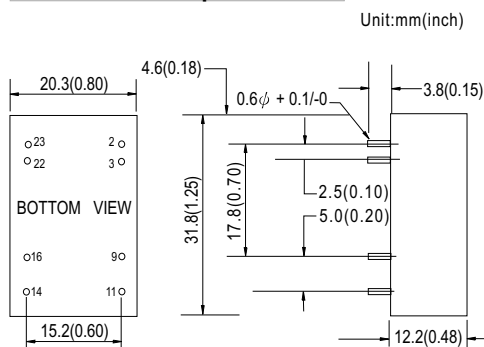


- Features :
- 2:1 wide input range
  - 4:1 wide input range(optional)
  - 1000VDC I/O isolation
  - Input Pi network filter
  - Protections: Short circuit / Over load
  - Free air convection
  - Five-sided shield metal case
  - High reliability / Low cost
  - 100% burn-in test
  - 1 year warranty

## SPECIFICATION

ORDER NO.	DCW03A-05	DCW03B-05	DCW03C-05	DCW03A-12	DCW03B-12	DCW03C-12	DCW03A-15	DCW03B-15	DCW03C-15			
OUTPUT	DC VOLTAGE			±5V			±12V			±15V		
	CURRENT RANGE			±30 ~ ±300mA			±12.5 ~ ±125mA			±10 ~ ±100mA		
	RATED POWER			3W								
	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.)			74%	75%	76%	80%	80%	82%	80%	80%	82%
	DC CURRENT			Full load		A: 338mA B: 167mA C: 83mA		No load		A: 18mA B: 10mA C: 5mA		
	FILTER			Pi network								
PROTECTION (Note. 5)	OVER LOAD			160~250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	SHORT CIRCUIT			All output equipped with short circuit Protection type : Hiccup mode, recovers automatically after fault condition is removed								
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./1 cycle, period for 60min. each along X, Y, Z axes								
SAFETY & EMC	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 or 1.25**0.80**0.48" inch (L*W*H)								
	WEIGHT			15g								

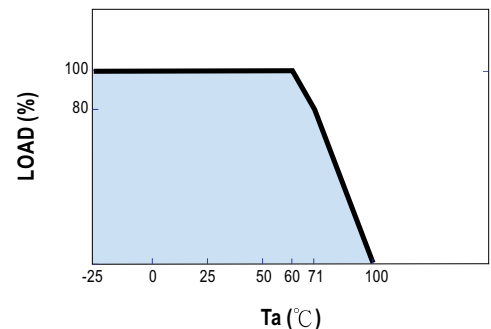
### ■ Mechanical Specification



### ■ 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.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.