

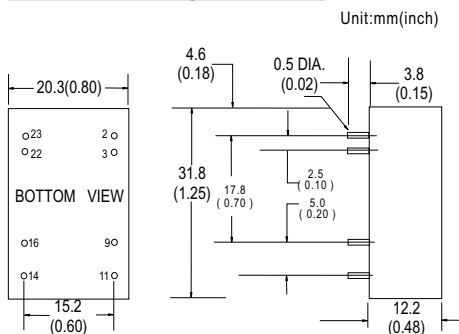


- 2:1 wide input range
- 4:1 wide input range(optional)
- 1000VDC I/O isolation
- Input Pi network filter
- Protections: short circuit / over load
- Free air convection
- Five-sided shield metal case
- High reliability / Low cost
- 100% burn-in test
- 1 year warranty

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								
	VOLTAGE ACCURACY	±2%								
	RIPPLE & NOISE (max.) Note.2	100mVp-p								
	LINE REGULATION Note.3	±0.5%								
	LOAD REGULATION Note.4	±0.5%								
	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	OVER LOAD	Hiccup mode, Reset: auto recovery								
	SHORT CIRCUIT	Hiccup mode, Reset: auto recovery								
ENVIRONMENT	WORKING TEMP., HUMIDITY	-25~+60°C @, 20%~90% RH non-condensing; 80% load @ 71°C								
	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 for 1min.								
	ISOLATION RESISTANCE	I/P-O/P: 500VDC/ 100M Ohms min.								
	ISOLATION CAPACITANCE	80pF max.								
OTHERS	MTBF	900khrs min. MIL-HDBK-217F Part-count GB								
	DIMENSION	31.8*20.3*12.2mm (L*W*H) or 1.25**0.80**0.48" inch (L*W*H)								
	PACKING	15g /pcs								

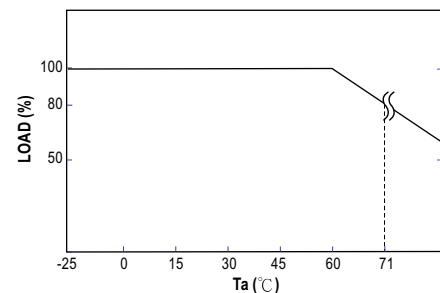
Mechanical Specification



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.