

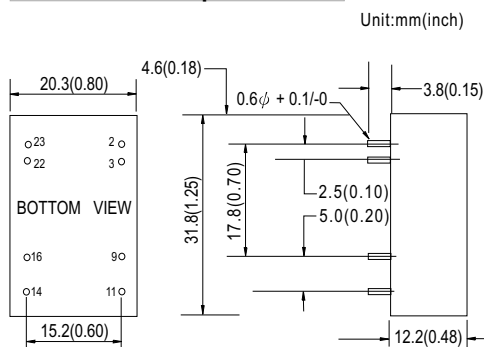


- Features :
- 2:1 wide input range
 - 4:1 wide input range(optional)
 - 1000VDC I/O isolation
 - Input Pi network filter
 - Protections: Short circuit / Over load
 - Free air convection
 - Five-sided shield metal case
 - High reliability / Low cost
 - 100% burn-in test
 - 1 year warranty

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										

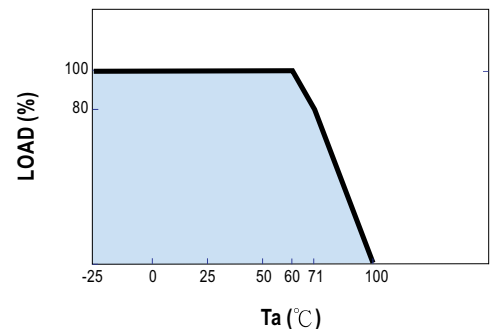
■ Mechanical Specification



■ 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.