



- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - Built-in EMI filter
 - Trimming output(±10%)
 - Remote ON-OFF control
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - Epoxy encapsulated
 - 100% burn-in test
 - Approvals: FCC / CE
 - 2 years warranty

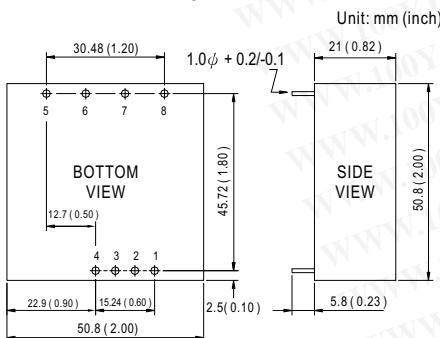


SPECIFICATION

ORDER NO.	DKA30A-05	DKA30B-05	DKA30C-05	DKA30A-12	DKA30B-12	DKA30C-12	DKA30A-15	DKA30B-15	DKA30C-15		
OUTPUT	DC VOLTAGE		±5V		±12V		±15V				
	CURRENT RANGE		±250 ~ ±2500mA		±125 ~ ±1250mA		±100 ~ ±1000mA				
	RATED POWER		25W		30W		30W				
	RIPPLE & NOISE (max.) Note.2		100mVp-p								
	LINE REGULATION Note.3		±0.5%								
	LOAD REGULATION Note.4		±0.5%								
	VOLTAGE ACCURACY		±2.0%								
	SWITCHING FREQUENCY		100KHz min.								
	EXTERNAL TRIM Adj. RANGE		±10%								
INPUT	VOLTAGE RANGE A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC										
	EFFICIENCY (Typ.)		80%	80%	80%	80%	83%	81%	80%	83%	81%
	DC CURRENT		Full load A: 3.2A B: 1.5A C: 0.77A No load A: 40mA B: 20mA C: 10mA								
	FILTER		Pi network								
	REMOTE CONTROL		Power on: R.C ~ -Vin > 4.5~5.5VDC or open, Power off R.C ~ -Vin < 0.8VDC or short								
	PROTECTION		Fuse recommended								
PROTECTION (Note. 5)	OVERLOAD		110 ~ 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 ~ +85°C (Refer to output load 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./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 / 25°C / 70% RH								
	EMI CONDUCTION & RADIATION		Compliance to EN55022 Class B, FCC part 15 Class B								
	EMS IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A								
OTHERS	MTBF		100Khrs min. MIL-HDBK-217F (25°C)								
	DIMENSION		50.8*50.8*21.0mm or 2**2**0.82" inch (L*W*H)								
	WEIGHT		110g								

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

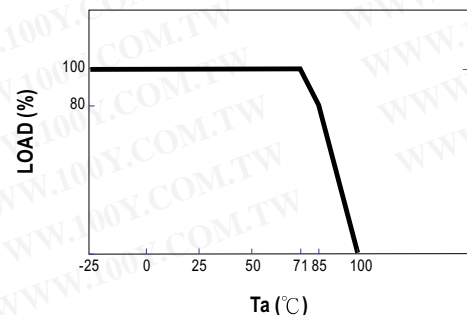
■ Mechanical Specification



■ Pin Configuration

Pin No.	Output
1	R.C
2	No Pin
3	-Vin
4	+Vin
5	+Vout
6	COM
7	-Vout
8	TRIM

■ 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.