



■ Features :

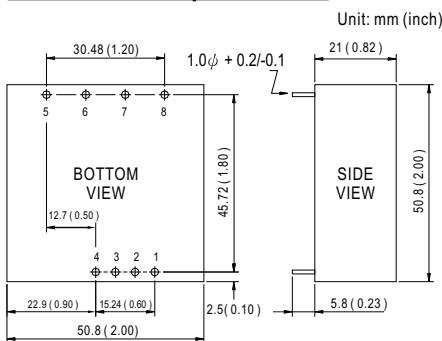
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- Built-in EMI filter
- Trimming output($\pm 10\%$)
- Remote ON-OFF control
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- Epoxy encapsulated
- 100% burn-in test
- Approvals: 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	$\pm 5V$		$\pm 12V$			$\pm 15V$		
	CURRENT RANGE	$\pm 250 \sim \pm 2500mA$		$\pm 125 \sim \pm 1250mA$			$\pm 100 \sim \pm 1000mA$		
	RATED POWER	25W		30W			30W		
	RIPPLE & NOISE (max.) Note.2	100mVp-p							
	LINE REGULATION Note.3	$\pm 0.5\%$							
	LOAD REGULATION Note.4	$\pm 0.5\%$							
	VOLTAGE ACCURACY	$\pm 2.0\%$							
	SWITCHING FREQUENCY	100KHz min.							
	EXTERNAL TRIM Adj. RANGE	$\pm 10\%$							
INPUT	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC							
	EFFICIENCY (Typ.)	80%	80%	80%	80%	83%	81%	80%	83%
	DC CURRENT	Full load A: 3.2A B: 1.5A C: 0.77A							
		No load A: 40mA B: 20mA C: 10mA							
PROTECTION (Note. 5)	FILTER	Pi network							
	PROTECTION	Fuse recommended							
	OVERLOAD	110 ~ 250% rated output power							
		Protection type : Hiccup mode, recovers automatically after fault condition is removed							
ENVIRONMENT	SHORT CIRCUIT	All output equipped with short circuit							
		Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	WORKING TEMP.	-25 ~ +85°C (Refer to output load derating curve)							
	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
SAFETY & EMC	STORAGE TEMP., HUMIDITY	-40 ~ +105°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	$\pm 0.03\% / ^\circ C$ (0 ~ 50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes							
	WITHSTAND VOLTAGE	I/P-O/P: 1kVDC							
OTHERS	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							
	REMOTE CONTROL	Power on: R.C ~ Vin > 4.5~5.5VDC or open, Power off: R.C ~ -Vin < 0.8VDC or short							
DIMENSION	MTBF	100Khrs min. MIL-HDBK-217F (25°C)							
	WEIGHT	50.8*50.8*21.0mm or 2"**2"**0.82" inch (L*W*H)							
		110g							

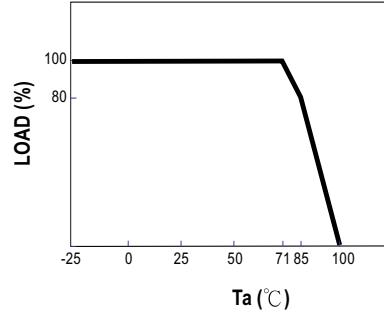
■ Mechanical Specification



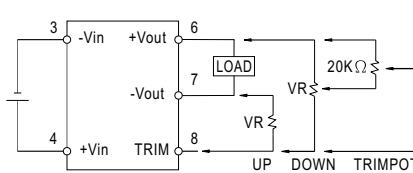
■ Pin Configuration

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

■ Derating Curve



■ External Output Trimming



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.