



- Features :
  - 2:1 wide input range
  - 4:1 wide input range(option)
  - 1000VDC I/O isolation
  - 3000VDC I/O isolation(option)
  - Built-in EMI filter
  - Protections: Short circuit / Overload
  - Cooling by free air convection
  - Six-sided shield metal case
  - 100% burn-in test
  - Low cost / High reliability
  - Approvals: FCC / CE
  - 2 years warranty

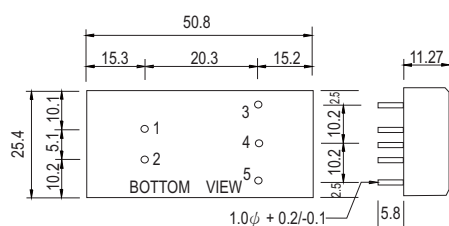


## SPECIFICATION

ORDER NO.	DKA15A-05	DKA15B-05	DKA15C-05	DKA15A-12	DKA15B-12	DKA15C-12	DKA15A-15	DKA15B-15	DKA15C-15		
OUTPUT	DC VOLTAGE	±5V			±12V			±15V			
	CURRENT RANGE	±150 ~ ±1500mA			±62.5 ~ ±625mA			±50 ~ ±500mA			
	RATED POWER	15W									
	RIPPLE & NOISE (max.) Note.2	50mVp-p			60mVp-p			60mVp-p			
	LINE REGULATION Note.3	±0.2%									
	LOAD REGULATION Note.4	±0.5%									
	VOLTAGE ACCURACY	±2.0%									
	SWITCHING FREQUENCY	150KHz min.									
INPUT	EXTERNAL CAPACITANCE LOAD (max.)	1200uF	1200uF	330uF	820uF	820uF	220uF	680uF	680uF	100uF	
	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC									
	EFFICIENCY (Typ.)	80%	80%	82%	83%	80%	82%	83%	80%	82%	
	DC CURRENT	Full load	A: 1600mA B: 800mA C: 400mA								
	No load	A: 30mA B: 30mA C: 15mA									
PROTECTION	Fuse recommended										
PROTECTION (Note. 5)	OVER CURRENT	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.	-40 ~ +71°C (Refer to "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./1cycle, period for 60min. each along X, Y, Z axes									
SAFETY & EMC	SAFETY STANDARDS	EAC TP TC 004 approved									
	WITHSTAND VOLTAGE	I/P-O/P:1KVDC									
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH									
	EMC EMISSION	Compliance to EN55032 Class A, FCC part 15 Class A, EAC TP TC 020									
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020									
	MTBF	300Khrs min. MIL-HDBK-217F (25°C)									
	DIMENSION	50.8*25.4*11.27mm or 2**1**0.44" inch (L*W*H)									
	WEIGHT	32g									

### Mechanical Specification

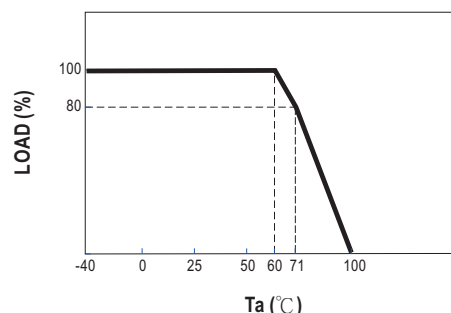
Unit: mm (inch)



### Pin Configuration

Pin No.	Output
1	+Vin
2	-Vin
3	+Vout
4	COM
5	-Vout

### Derating Curve



### NOTE

- All parameters are specified at normal input, rated load, 25°C 70% RH ambient.
- Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 10% to 100% rated load.
- Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.