



Automatización Eléctrica

Especialistas en Automatización

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- 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

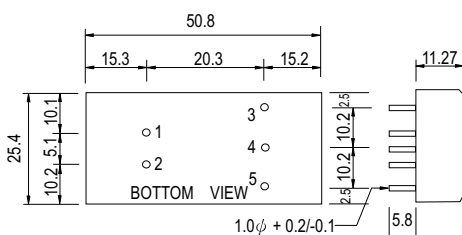


SPECIFICATION

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	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								
	FILTER	Pi network								
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.	-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./1cycle, 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	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

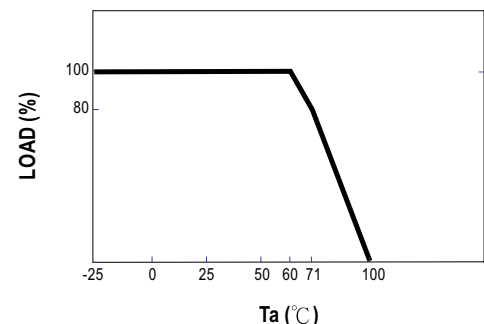
Unit: mm (inch)



Pin Configuration

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

Derating Curve



NOTE

- 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.



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Product	Code	Reference	Product link
DC/DC Converter Modular Type Series DKA15 15W Input Vac Dimension 2x1x0.44 inch Warranty 2 year	DKA15A05	DKA15A-05	Buy on EAN
DC/DC Converter Modular Type Series DKA15 15W Input Vac Dimension 2x1x0.44 inch Warranty 2 year	DKA15A15	DKA15A-15	Buy on EAN
DC/DC Converter Modular Type Series DKA15 15W Input Vac Dimension 2x1x0.44 inch Warranty 2 year	DKA15C05	DKA15C-05	Buy on EAN
DC/DC Converter Modular Type Series DKA15 15W Input Vac Dimension 2x1x0.44 inch Warranty 2 year	DKA15C15	DKA15C-15	Buy on EAN