



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





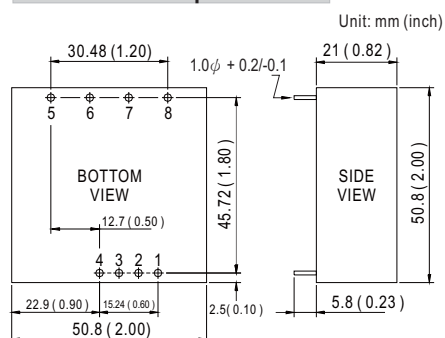
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - Built-in EMI filter
 - Remote ON-OFF control
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - Epoxy encapsulated
 - 100% burn-in test
 - Approvals: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



SPECIFICATION

ORDER NO.	TKA30A-B	TKA30B-B	TKA30C-B	TKA30A-C	TKA30B-C	TKA30C-C	
OUTPUT	DC VOLTAGE	+5V	±12V	+5V	±15V		
	CURRENT RANGE	700 ~ 3500mA	±62 ~ ±310mA	700 ~ 3500mA	±50 ~ ±250mA		
	RATED POWER	25W					
	RIPPLE & NOISE (max.) Note.2	100mVp-p					
	LINE REGULATION Note.3	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%
	LOAD REGULATION Note.4	+5V: ±2.0%, ±V _i : ±5.0%					
	VOLTAGE ACCURACY	+5V: ±2.0%, ±V _i : ±5.0%					
SWITCHING FREQUENCY	100KHz min.						
INPUT	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18~36VDC C: 36~72VDC					
	EFFICIENCY (Typ.)	80%	82%	82%	80%	82%	82%
	DC CURRENT	Full load A: 2.61A B: 1.27A C: 0.64A No load A: 40mA B: 18mA C: 10mA					
	FILTER	Pi network					
	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.	-40 ~ +85°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./1 cycle, 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 B, FCC part 15 Class B, 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					
	REMOTE CONTROL	Power on: R.C ~ -Vin > 4.5~5.5VDC or open, Power off: R.C~ -Vin < 0.8VDC or short					
	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						

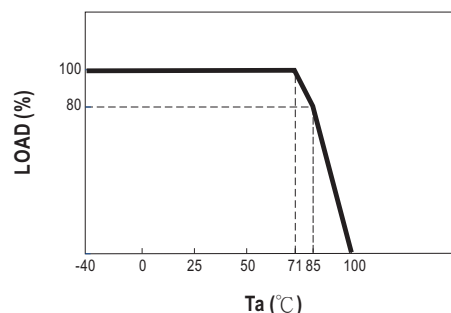
Mechanical Specification



Pin Configuration

Pin No.	Output
1	R.C
2	No Pin
3	-Vin
4	+Vin
5	+Vout
6	+5V
7	COM
8	-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 20% to 100% rated load.
5. Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.