



Automatización Eléctrica

Especialistas en Automatización

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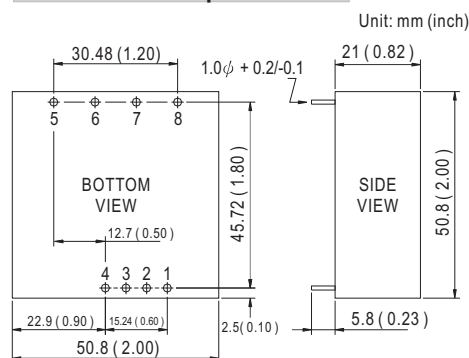
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - Built-in EMI filter
 - Remote ON-OFF control
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - Epoxy encapsulated
 - 100% burn-in test
 - Approvals: 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 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					
	EMC EMISSION	Compliance to EN55022 Class B, FCC part 15 Class B					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A					
OTHERS	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					

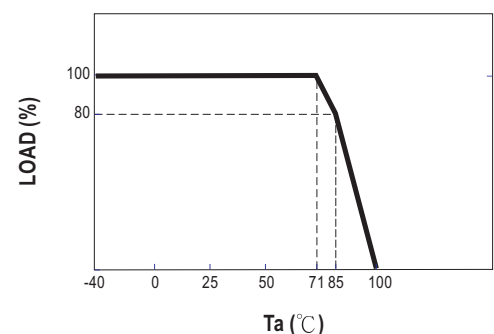
■ Mechanical Specification



■ 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.



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Product	Code	Reference	Product link
Input: 9-18 DC, Output: 3, V1: 5, A1: 3,5, V2: 12, A2: 0,3, V3: -12, A3: 0,3	TKA30AB	TKA30A-B	Buy on EAN
Input: 9-18 DC, Output: 3, V1: 5, A1: 3,5, V2: -15, A2: -0,25, V3: 15, A3: 0,25	TKA30AC	TKA30A-C	Buy on EAN
Input: 18-36 DC, Output: 3, V1: 12, A1: 0,31, V2: -12, A2: 0,31, V3: 5, A3: 3,5	TKA30BB	TKA30B-B	Buy on EAN
Input: 18-36 DC, Output: 3, V1: 15, A1: 0,25, V2: -15, A2: -0,25, V3: 5, A3: 3,5	TKA30BC	TKA30B-C	Buy on EAN
Input: 36-72 DC, Output: 3, V1: 12, A1: 0,31, V2: -12, A2: 0,31, V3: 5, A3: 3,5	TKA30CB	TKA30C-B	Buy on EAN
Input: 36-72 DC, Output: 3, V1: 5, A1: 3,5, V2: 12, A2: 0,31, V3: -15, A3: -3,5	TKA30CC	TKA30C-C	Buy on EAN