

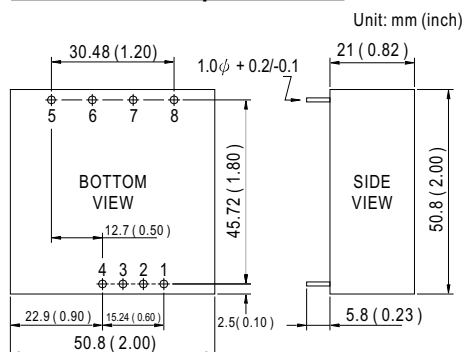


- Features :
  - 2:1 wide input range
  - 4:1 wide input range (optional)
  - 1000VDC I/O isolation
  - Input Pi network filter
  - Remote ON-OFF control
  - Protections: Short circuit / Over load
  - Free air convection
  - Six-sided shield metal case
  - Epoxy encapsulated
  - 100% burn-in test
  - 1 year warranty

## SPECIFICATION

ORDER NO.	TKA30A-B	TKA30B-B	TKA30C-B	TKA30A-C	TKA30B-C	TKA30C-C
OUTPUT	DC VOLTAGE		+5V		±12V	
	CURRENT RANGE		350 ~ 3500mA		±31 ~ ±310mA	
	RATED POWER		25W		25W	
	RIPPLE & NOISE (max.) Note.2		100mVp-p		100mVp-p	
	LINE REGULATION Note.3		±0.5%		±0.5%	
	LOAD REGULATION Note.4		±2%		±2%	
	VOLTAGE ACCURACY		±2%		±2%	
	SWITCHING FREQUENCY		100KHz min.		100KHz min.	
EXTERNAL TRIM Adj. RANGE		±10%		±10%		
INPUT	VOLTAGE RANGE		A: 9 ~ 18VDC B: 18~36VDC C: 36~72VDC			
	EFFICIENCY (Typ.)		80%		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 (Note. 5)	OVER LOAD		160~250% rated output power			
			Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	SHORT CIRCUIT		All output equipped with short circuit			
ENVIRONMENT	WORKING TEMP.		-25~+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			
OTHERS	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			

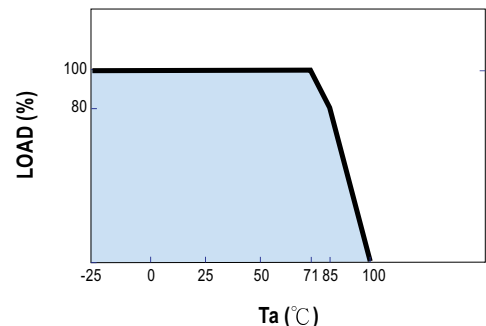
### Mechanical Specification



### Pin Configuration

Pin No.	Output Triple
1	R.C
2	No Pin
3	-Vin
4	+Vin
5	+Vout
6	+5V
7	COMMON
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 10% to 100% rated load.
5. Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.