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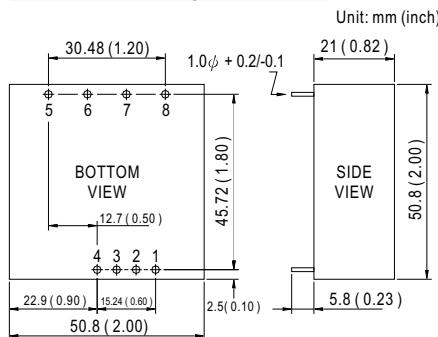


- Features :
- 2:1 wide input range
- 4:1 wide input range (optional)
- 1000VDC I/O isolation
- Input Pi network filter
- Remote ON-OFF control
- Protections: Short circuit / Over load
- Free air convection
- Six-sided shield metal case
- Epoxy encapsulated
- 100% burn-in test
- 1 year warranty

### SPECIFICATION

	ORDER NO.	TKA30A-B	TKA30B-B	TKA30C-B	TKA30A-C	TKA30B-C	TKA30C-C
OUTPUT	DC VOLTAGE	+5V	±12V		+5V	±15V	
	CURRENT RANGE	350 ~ 3500mA	±31 ~ ±310mA		350 ~ 3500mA	±25 ~ ±2500mA	
	RATED POWER		25W				
	RIPLE & NOISE (max.) Note.2		100mVp-p				
	LINE REGULATION Note.3		±0.5%				
	LOAD REGULATION Note.4		±2%				
	VOLTAGE ACCURACY		±2%				
	SWITCHING FREQUENCY		100KHz min.				
INPUT	EXTERNAL TRIM Adj. RANGE		±10%				
	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 (Note.5)	REMOTE CONTROL	Power on: R.C ~ -Vin > 4.5~5.5VDC or open, Power off R.C ~ -Vin < 0.8VDC or short					
	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 Protection type : Hiccup mode, recovers automatically after fault condition is removed					
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)					
SAFETY & EMC	VIBRATION	10~500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes					
	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					

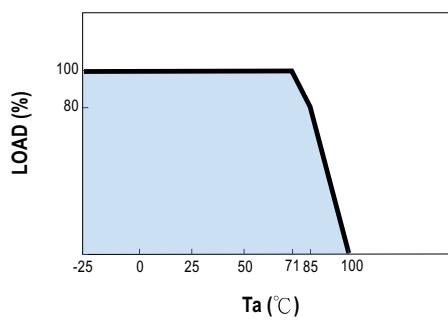
#### ■ Mechanical Specification



#### ■ 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

- 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.