



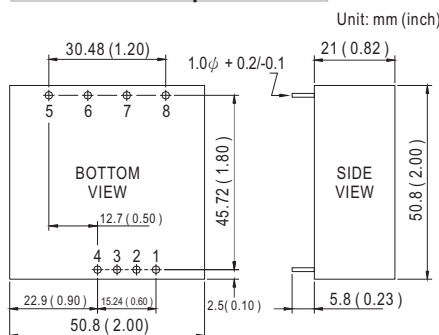
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - Built-in EMI filter
 - Remote ON-OFF control
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - Epoxy encapsulated
 - 100% burn-in test
 - Approvals: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



SPECIFICATION

ORDER NO.	TKA30A-B	TKA30B-B	TKA30C-B	TKA30A-C	TKA30B-C	TKA30C-C
OUTPUT	DC VOLTAGE		+5V		±12V	
	CURRENT RANGE		700 ~ 3500mA		±62 ~ ±310mA	
	RATED POWER		25W		700 ~ 3500mA	
	RIPPLE & NOISE (max.) Note.2		100mVp-p		±15V	
	LINE REGULATION Note.3		±0.5%		±1.0%	
	LOAD REGULATION Note.4		+5V: ±2.0%, ±V _i : ±5.0%		±1.0%	
	VOLTAGE ACCURACY		+5V: ±2.0%, ±V _i : ±5.0%		±1.0%	
	SWITCHING FREQUENCY		100KHz min.		±1.0%	
INPUT	VOLTAGE RANGE		A: 9 ~ 18VDC B: 18~36VDC C: 36~72VDC		80%	
	EFFICIENCY (Typ.)		80%		82%	
	DC CURRENT		Full load A: 2.61A B: 1.27A C: 0.64A		80%	
	No load		A: 40mA B: 18mA C: 10mA		82%	
	FILTER		Pi network		82%	
PROTECTION		Fuse recommended		82%		
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 020/2011 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 BS EN/EN55032 Class B, FCC part 15 Class B, EAC TP TC 020			
	EMC IMMUNITY		Compliance to BS EN/EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020			
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			

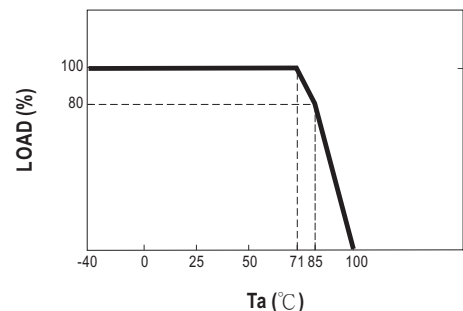
Mechanical Specification



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

- 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 20% to 100% rated load.
 - Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.
- ※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>

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