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25W DC-DC Triple Output Converter

TKA30 series

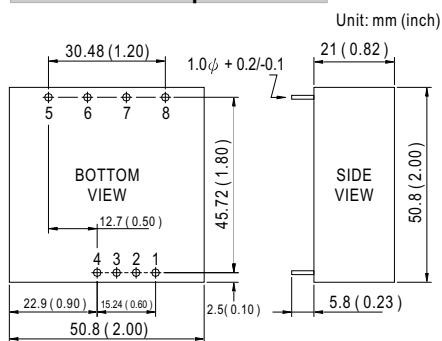


- Features :
 - 2:1 wide input range
 - 4:1 wide input range (optional)
 - 1000VDC I/O isolation
 - Input Pi network filter
 - Remote ON-OFF control
 - Protections: Short circuit / Over load
 - Free air convection
 - Six-sided shield metal case
 - Epoxy encapsulated
 - 100% burn-in test
 - 1 year warranty

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					
	EFFICIENCY (Typ.)					
	DC CURRENT					
	FILTER					
	REMOTE CONTROL					
PROTECTION (Note. 5)	OVER LOAD					
	SHORT CIRCUIT					
	WORKING TEMP.					
ENVIRONMENT	WORKING HUMIDITY					
	STORAGE TEMP., HUMIDITY					
	TEMP. COEFFICIENT					
	VIBRATION					
	SAFETY & EMC	WITHSTAND VOLTAGE				
ISOLATION RESISTANCE						
OTHERS	MTBF					
	DIMENSION					
	WEIGHT					

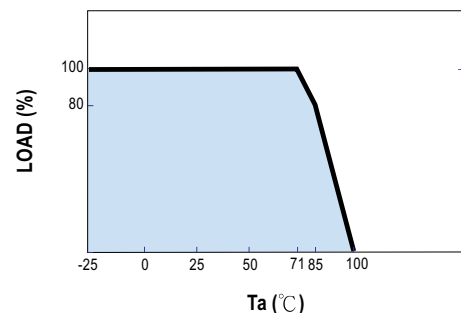
■ Mechanical Specification



■ 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.