



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

TKE25C SERIES

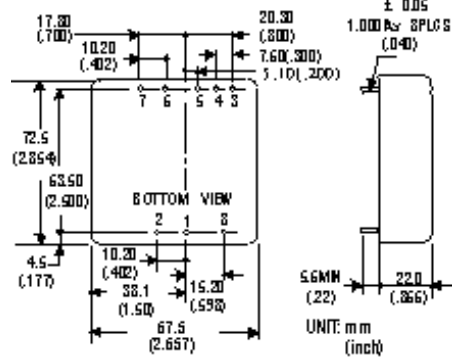
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|-------------------------|------------------------------|
| .2:1 WIDE INPUT RANGE | .HIGH PERFORMANCE / LOW COST |
| .4:1 INPUT IS AVIALABLE | .SHORT CIRCUIT PROTECTION |
| .REGULATED DC OUTPUT | .OVER CURRENT PROTECTION |
| .500VDC I/P ISOLATION | .FREE AIR CONVECTION |
| .REMOTE CONTROL | .100% BURN-IN TEST |
| .EPOXY ENCAPSULATED | .1 YEAR WARRANTY |



MODEL	TKE25C-B		TKE25C-C	
SPECIFICATION				
DC OUTPUT VOLTAGE	5V	±12V	5V	±15V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	4000mA	±250mA	3500mA	±300mA
OUTPUT CURRENT RANGE	0-4000mA	0-±250mA	0-3500mA	0-±300mA
RIPPLE & NOISE	60mVp-p	80mVp-p	60mVp-p	80mVp-p
LINE REGULATION	± 0.5%	± 0.5%	± 0.5%	± 0.5%
LOAD REGULATION	±2%	±2%	±2%	±2%
DC OUTPUT POWER	25W	25W	25W	25W
EFFICIENCY	82% (TYPICAL)			
SWITCHING FREQUENCY	100KHz (TYPICAL)			
INPUT VOLTAGE RANGE	36~72VDC			
INPUT CURRENT	0.675A/48VDC; 39mA @ NO LOAD (TYPICAL)			
SHORT CIRCUIT PROTECTION	CONTINUOUS			
OVER CURRENT PROTECTION	160~220% AUTO RECOVERY			
REMOTE CONTROL	POWER ON:0~1.2V OR OPEN; POWER OFF:2.4~5.5V; COMPATIBLE WITH TTL			
TEMP. COEFFICIENT	±0.02% / °C (0~50°C)			
ISOLATION VOLTAGE	I/P-O/P:500VDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
TRANSIENT RESPONSE	< 250u sec FOR 25% LOAD STEP CHANGE			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	2.9"*2.7"*0.87"			
WEIGHT	190g			
CASE METERIAL	SIX-SIDED SHIELD METAL CASE			

Pin no.	Output
1	+Vin
2	-Vin
3	+Vout

MECHANISM AND PIN CONFIGURATION



4	COM
5	-Vout
6	+5V
7	COM
8	R.C.

- NOTE :
- 1.ALL PARAMETERS ARE SPECIFIED AT RATED 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.