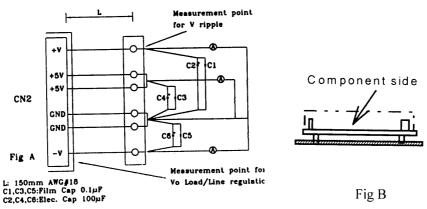
DWG.NO.:CA702-04-01D

SPECIFICATIONS

MODEL			SWT40-522		SWT40-525		SWT40-5FF		REV				
	ITEMS			CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
1	NOMINAL OUTPUT VOLTAGE		V	+5	+12	-12	+5	+12	-5	+5	+15	-15	
2	MIN. OUTPUT CURRENT		A	0.2	0.3	0	0.2	0.3	0	0.2	0.3	0	
3	MAX. OUTPUT CURRENT	·	A	3	2	0.3	3	2	0.3	3	1.5	0.3	
4	PEAK OUTPUT CURRENT	(*10)	Α	4.5	3	-	4.5	3	-	4.5	2.4	-	
5	MAX. OUTPUT POWER (PEAK)		W	42.6(54.6) 40.5(51.6) 42(51.6)									
6	EFFICIENCY (TYP)	(* 1)	-				7	0%		•			
7	INPUT VOLTAGE RANGE	(* 2)	-		A	C85~265	V (Contir	nuously),	47 ~ 63H	z / 110~3	40VDC		С
8	INPUT CURRENT (TYP)	(* 1)	-			1.11A(Vii	n=100VA	C) / 0.55	A(Vin=20	00VAC)			
9	INRUSH CURRENT (TYP)		-	15A / 100VAC, 30A / 200VAC (cold start, Ta=25°C)									
10	OUTPUT VOLTAGE			CH1 +5V fixed, CH2.3 fixed									
			-	Shipmer	nt condit	ion: CH1	±1%, CI	H2(+12V)): ±3%,CI	H2(+15V)): ±5%, C	H3: ±5%	
	MAX. RIPPLE & NOISE	(* 3)	-			±5V: 120	,		,	:15V: 150	mV		
12	MAX. LINE REGULATION	(*3,4)	-			CH1:1%	6, CH2: 2	2% , CH3	: 1%				
	MAX. LOAD REGULATION	(*3,5)	-	CH1: 2%, CH2: 4%, CH3: 2%									
14	MAX. TEMPERATURE DRIFT	(*3,6)	-	0.04%/°C									
	OVER CURRENT PROTECTION	. ,	-	Automatic recovery, O.C.P point: 140% ~									
	OVER VOLTAGE PROTECTION	(* 8)	-	6V ~ (CH1 only)									
	HOLD - UP TIME (TYP)	(* 1)	-	17ms (Input 100 VAC)									
	OPERATING TEMPERATURE	(* 9)	-	Convection cooling 0~50°C: 100% load; 60°C: 70% load									
	OPERATING HUMIDITY		-	30%~90%RH									
	STORAGE TEMPERATURE		-	-20°C ~ +85°C									
	STORAGE HUMIDITY		-	10%~95%RH									
	COOLING		-	convenien cooming									
	EMI		-	Conform to FCC-B, VCCI-2, EN55022B									
	WITHSTAND VOLTAGE		-							D			
	ISOLATION RESISTANCE		-	More than 100MΩ at Ta=25°C and 70%RH, Output - FG 500VDC									
	VIBRATION		-	10 - 55Hz Amplitude (sweep 1min) Less than 19.6m/s ² X,Y,Z 1Hr each D									
	SHOCK		-	less than 196.1m/s^2									
	OUTPUT GROUNDING		-	All channels common ground (2 terminals)									
	SAFETY		-	Conform to UL1950, CSA950, EN60950, DENTORI									
	WEIGHT		-	2006									
31 SIZE (W*D*H) m/m 76.2 x 127.0 x 35.6													
			inch		3.00 x	$5.00 \times 1.$	40 (2.55)	4.55 mc	ounting ho	ole Φ 3.5r	nm)		

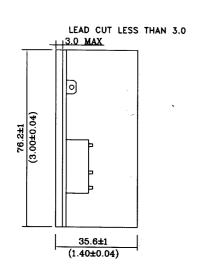
NOTES:

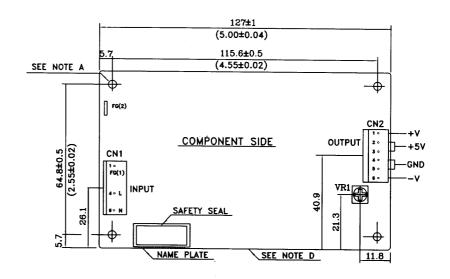
- *1. At 100VAC, 200VAC and MAX. OUTPUT POWER (Convection cooling), Ta=25°C.
- *2. For cases where conformance to various safety specs (UL,CSA, EN) are required to be described as 100~120VAC, 200~240VAC, 50/60 Hz on name plate.
- *3. Please refer to Fig A for measurement determination of line & load regulation and output ripple voltage.
- *4. From 85~132VAC / 170~265VAC, constant load.
- *5. From Min. load Full load (Maximum power), constant input voltage.
- *6. From 0° C ~ +50°C, constant input voltage and load.
- *7. Current limiting with automatic recovery. Avoid to operate over load or dead short for more than 30 seconds.
- *8. Over voltage clamping by zener diode.
- *9. At standard mounting method, Fig B.
- *10. Peak current operation is less than 10 sec. with duty factor less than 30%. In addition, it does not has to satisfy the total regulation specification.



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1.OUTLINE AND CONNECTION





CONNECTORS USED:

PART DESCRIPTION	CATALOG NO.	MANUFACTURER	QTY
PIN HEADER (INPUT SIDE CN1)	5414-30B	MOLEX	1
PIN HEADER(OUTPUT SIDE CN2)	5273-06A	MOLEX	1

RECOMMENDED HOUSING & TERMINAL PIN.

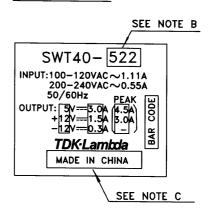
* NOT INCLUDED WITH THE PRODUCT.

SOCKET HOUSING (CN1)*1	5195-06	MOLEX	1
SOCKET HOUSING (CN2)*1	5195-06	MOLEX	1
TERMINAL PINS (CN1, 2)	5194PBT	MOLEX	9

HAND CRIMPING TOOL: 11-26-0058

MANUFACTURER: MOLEX

NAME PLATE



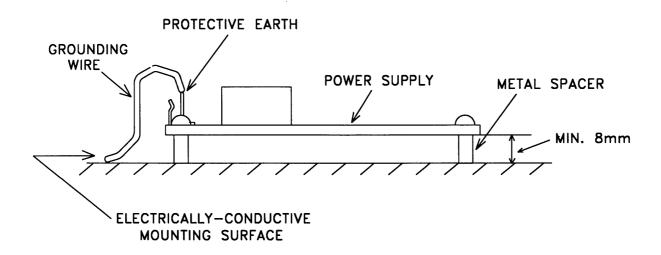
NOTES:

- A :THE 4 Ø3.5mm HOLES ARE CUSTOMER CHASSIS MOUNTING HOLES. ALL MUST BE SCREWED IN ORDER TO CONFORM TO THE EMI NOISE AND VIBRATION SPEC.. WASHERS ETC. USED MUST NOT EXCEED \$6mm.
- B :MODEL NAME, NOMINAL OUTPUT VOLTAGE, MAXIMUM OUTPUT CURRENT AND PEAK OUTPUT CURRENT ARE SHOWN HERE IN ACCORDANCE WITH THE SPECIFICATIONS.
- C :COUNTRY OF MANUFACTURE WILL BE SHOWN HERE.
- D :MINIMUM 4mm SPACING BETWEEN PCB EDGE, TOP OF POWER SUPPLY AND CUSTOMER CHASSIS.
- E :INPUT TERMINALS
 - NEUTRAL
 - LIVE(CONNECTED TO INTERNAL FUSE)
 - GROUND (FOR PROTECTIVE EARTH CONNECTION)
- F : OUTPUT TERMINALS
 - +5V :CH1 OUTPUT TERMINAL

 - +V :CH2 OUTPUT TERMINAL -V :CH3 OUTPUT TERMINAL
 - GND :CH1,CH2,CH3 GROUND TERMINAL
- G :VR1 IS THE VOLUME FOR ADJUSTING OUTPUT VOLTAGE OF CH1. CH1 IS ADJUSTED TO 5V (FIXED) DURING MASS PRODUCTION. DO NOT ADJUST UNNECESSARILY.
- H :FG(1) OR FG(2) IS FOR SAFETY GROUND CONNECTION. CAN USE ALTERNATIVE ONE.

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INSTALLATION:



2. TO MEET SAFETY REQUIREMENTS, THE POWER SUPPLY TERMINALS MUST NOT BE USED DIRECTLY AS THE EXTERNAL TERMINATIONS OF ANY EQUIPMENT.

Recommended screw torque is 5kg.cm.

THIS PRODUCT MUST BE INSTALLED IN A RESTRICTED ACCESS LOCATION, ACCESSIBLE TO AUTHORISED COMPETENT PERSONNEL ONLY.

WHERE CSA APPROVED, CSA APPROVAL IS TO LEVEL 3.

3. PROTECTIVE EARTHING:

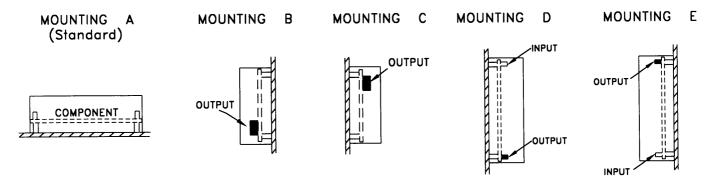
3.1 FOR SAFETY, ENSURE SECURE CONNECTION OF THE ① TERMINAL TO THE GROUND TERMINAL OF THE EQUIPMENT AS THE PROTECTIVE EARTH CONNECTION. SCREWS AND WASHERS USED MUST BE OF SUITABLE MATERIAL AS IN ANNEX J IN EN60950 STANDARD.

4. MOUNTING

- 4.1 FOR OPTIMUM NOISE PERFORMANCE, MOUNT THE POWER SUPPLY UNIT (PSU) ON AN ELECTRICALLY-CONDUCTIVE SURFACE
- 4.2 IF SPACER HEIGHT IS LESS THAN 8mm, BASIC INSULATION MUST BE PROVIDED BETWEEN THE PSU AND THE GROUNDED MOUNTING SURFACE.
- 4.3 EXCEPT FOR THE SOLDER SIDE OF THE PSU, A MINIMUM SPACING OF 4mm MUST BE MAINTAINED BETWEEN THE PSU AND EQUIPMENT CHASSIS.
- 4.4 THE PSU MUST BE INSTALLED WHERE EQUIPMENT VENTILATION ENSURE FREE CONVECTION COOLING.
- 4.5 AWG #24~#18 WIRES SHOULD BE USED FOR INPUT AND OUTPUT CONVECTION. TO IMPROVE NOISE PERFORMANCE, INPUT AND OUTPUT WIRES SHOULD BE WELL SEPARATED, BUT EACH PAIR SHOULD BE TWISTED TOGETHER.
- 4.6 RECOMMENDED SCREWS TORQUE IS 5Kg.cm.

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5. MOUNTING POSITION AND OUTPUT DERATING



OUTPUT DERATING

	LOADING CONDITION (%)								
Ta(°C)	MOUNTING A	MOUNTING B	MOUNTING C	MOUNTING D	MOUNTING E				
0	100	100	100	100	100				
20	100	100	100	100	100				
40	100	100	100	100	100				
50	100	75	75	75	75				
60	70	50	50	50	50				

FUSE:F1

RATING :250V T2.5AH

TYPE :TIME-LAG

AVOID USING FAST-BLOW TYPE.

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.

CAUTION: CHANGE OF FUSE IS TO BE DONE BY AUTHORISED PERSONNEL ONLY. VORSICHT: UBERLASSEN SIE WARTUNGSASRBEITEN STETS DEM VON ZUGELASSENEN FACHMANN.

DO NOT TOUCH THE POWER SUPPLY HEATSINKS. THESE HEATSINKS MAY CARRY HARZARDOUS VOLTAGE WHEN THE POWER SUPPLY IS SWITCHED ON.

CE MARKING:

CE MARKING, WHEN APPLIED TO THE UNIT, INDICATES COMPLIANCE WITH THE LOW VOLTAGE DIRECTIVE (73/23/EEC). AS MODIFIED BY THE CE MARKING DIRECTIVE (93/68/EEC) IN THAT, IT COMPLIES WITH EN60950.