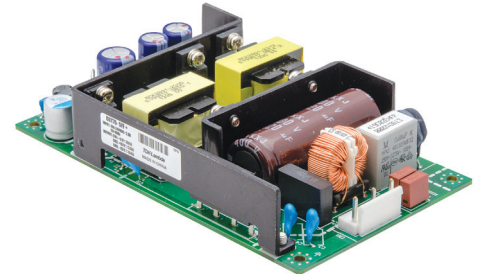




Dual or Triple Output 75W Low Profile Power Supplies

Features	Benefits
• Triple (useable as dual) output supply	• Addresses multiple voltage needs in one hit
• Compact format (3 x 5" footprint only)	• Saves space & cost
• Low Profile (1.06" only)	• Allows flat constructions, slim solutions
• High Efficiency 85%	• Facilitates de-heating / cooling
• Individual output regulation	• Supports e.g. test, measurement & sensing solutions
• Good cost-value relation	• Helps improve appliance competitiveness
• Several mechanical & connector options	• Offers more implementation choices



Specification		CUT75-522	CUT75-5FF
Model		CUT75-522	CUT75-5FF
AC Input Voltage ⁽¹⁾	VAC	85 - 265VAC	
Input Frequency	Hz	47 - 63Hz	
DC Input Voltage	VDC	120 - 370VDC (No safety certification)	
Inrush Current (cold start)	A	18A at 100VAC, 36A at 200VAC	
Power Factor	-	Meets EN61000-3-2	
Input Current (100 / 200VAC)	A	2 / 1	
Temp. Coefficient (-20 to +70°C)	-	V1: <0.02%/°C, V2 & 3 <0.03%/°C	
Overcurrent Protection	-	> 105%	
Overvoltage Protection ⁽²⁾	V	V1: 5.7-7.0, V2: 13.8 - 16.8	V1: 5.7-7.0, V2: 17.2 - 21.0
Hold Up Time (200VAC input)	ms	20ms	
Leakage Current (265VAC 50Hz)	mA	<0.3mA	
Operating Temperature ⁽³⁾	-	-20 to +70°C. Derate linearly to 60% load from +50 to +70°C	
Storage Temperature	-	-30 to +85°C	
Op. Humidity (non condensing)	-	5 - 95% RH	
Cooling	-	Convection	
Withstand Voltage	-	Input to Ground 2kVAC, Input to Output 3kVAC, Output to Ground 500VAC, V1 to V2 / V3 500VAC for 1 min.	
Isolation Resistance	-	>100M at 25°C & 70%RH, Output to Ground 500VDC	
Vibration (non operating)	-	10 - 55Hz: 19.6m/s ² constant sweep 1 min X, Y, Z for 1 hour	
Shock	-	< 196.1 m/s ² (20G)	
Immunity	-	IEC61000-4-2 (lv 3, 4), -3 (lv3), -4 (lv 4), -5 (lv3, 4), -6 (lv 3), -8 (lv 4), -11,	
Safety Agency Certifications	-	IEC/EN/UL/CSA60950-1 (cTUVus), IEC/EN60601-1 3rd Edition (2 x MOOP)	
Conducted & Radiated EMI	-	EN55011/EN55022-B, FCC--B	
Weight (Typ)	g	210 (open frame version)	
Size (WxLxH)	mm	76 x 127 x 27	
Warranty	yrs	3	

Notes: (1) Derate linearly to 60% load from 100VAC to 85VAC input (2) Cycle AC to reset (3) See derating curves in instruction manual for all mounting orientations

Model Selector								
Model		Voltage (V)	Adjust Range (V)	Maximum Current (A)	Maximum Power (W)	Load Reg. (mV)	Line Reg. (mV)	Ripple Noise (mV)
CUT75-522	V1	5V	5.0 - 5.25	8	40	100	50	120
	V2	+12V	FIXED	3	36	600	240	150
	V3	-12V	FIXED	1	-	600	240	150
CUT75-522	V1	5V	5.0 - 5.25	8	40	100	50	120
	V2	24V	FIXED	1	24	750	300	150
	(Leave common terminal unconnected)							
CUT75-5FF	V1	5V	5.0 - 5.25	8	40	100	50	120
	V2	+15V	FIXED	2.5	37.5	750	300	150
	V3	-15V	FIXED	1	-	750	300	150
CUT75-5FF	V1	5V	5.0 - 5.25	8	40	100	50	120
	V2	30V	FIXED	1	30	750	300	150
	(Leave common terminal unconnected)							

Note: CUT75 can be configured as a dual or triple output.

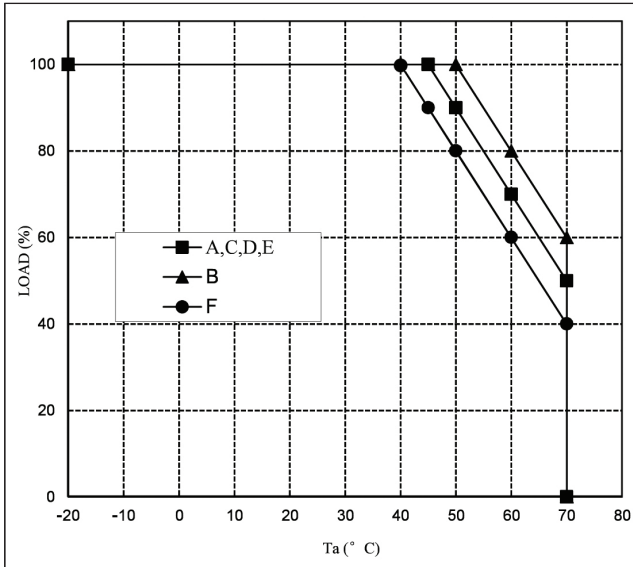
Options	
Suffix	Description
Blank	Open frame with PIN (JST) connectors
/A	Cover with PIN (JST) connectors
/B	Baseplate with PIN (JST) connectors
/T	Open frame with Terminal Block (screw connections)
/TA	Cover model with Terminal Block (screw connections)
/TB	Baseplate model Terminal Block (screw connections)

Preferred Models

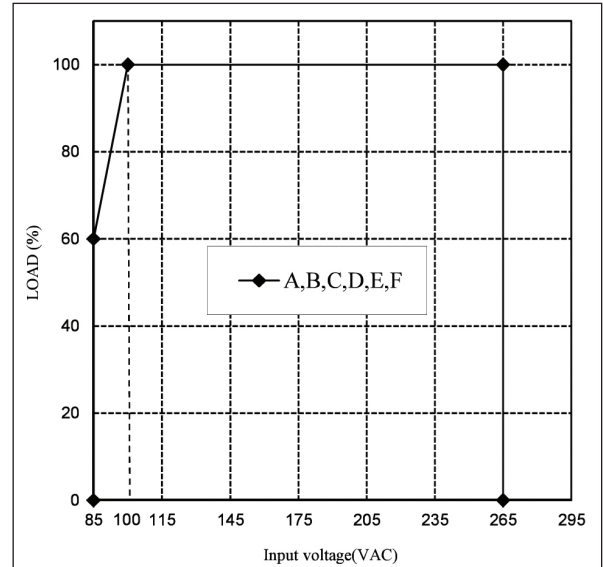
Mounting Instructions CUT75 Series

(MOUNTING A)	(MOUNTING B) (STANDARD MOUNTING)	(MOUNTING C)	(MOUNTING D)	(MOUNTING E)	(MOUNTING F)

CUT75 Output derating vs Ambient Temperature



CUT75 Output derating vs Input Voltage



Outline Drawing CUT75 Series

LEAD CUT LESS THAN 3mm

SEE NOTE D

NAME PLATE

4-SEE NOTE A

(4.5) VOLTAGE ADJUSTMENT

VR51

V1 1
2
3
4
V2 5
6
G3 7
V3 8
CN51

INPUT

COMPOENT SIDE

SEE NOTE E

76±1

66±0.5

(41)

5

5

117±0.5

127±1

SEE NOTE E

CONNECTORS USED:

PART DESCRIPTION	PART NAME	MANUFACT.	QTY
PIN HEADER (INPUT SIDE CN1)	B3P5-VH	JST	1
PIN HEADER(OUTPUT SIDE CN51)	B8P-VH	JST	1

*OUTPUT CURRENT OF EACH CONNECTOR PIN MUST BE LESS THAN 5A.

MATCHING HOUSINGS AND PINS(NOT INCLUDED WITH THE PRODUCT):

SOCKET HOUSING (CN1)	VHR-5N	JST	1
SOCKET HOUSING (CN51)	VHR-8N	JST	1
TERMINAL PINS	SVH-21T-P1.1	JSI	11

HAND CRIMPING TOOL : YC-160R CN1,CN51 MANUFACTURER : JST

NAME PLATE (SCALE 3:2)

SEE NOTE B

SEE NOTE C

NOTES

A: THE 4- ϕ 3.5 HOLE ARE CUSTOMER CHASSIS MOUNTING HOLES. ALL MUST BE SCREWED IN ORDER TO CONFORM THE VIBRATION SPEC.

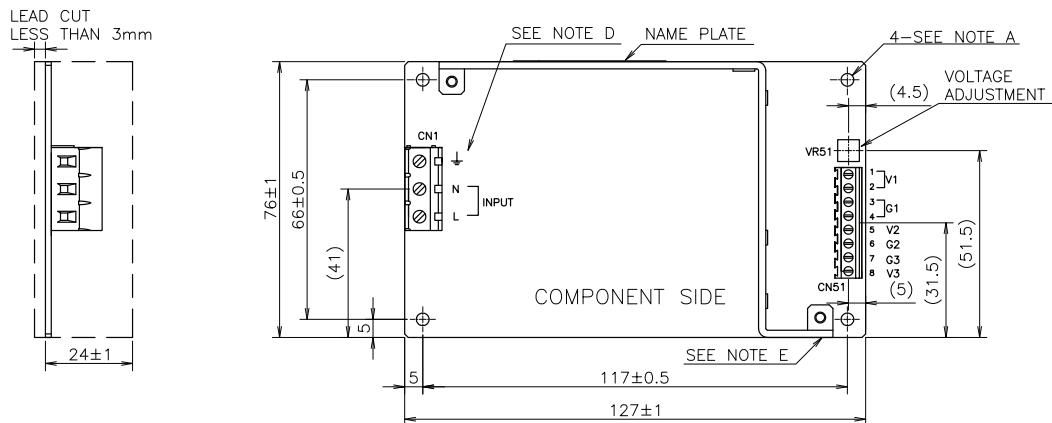
B: MODEL NAME, MAXIMUM OUTPUT POWER, NOMINAL OUTPUT VOLTAGE, MAXIMUM OUTPUT CURRENT, ARE SHOWN HERE IN ACCORDANCE WITH THE SPECIFICATIONS.

C: COUNTRY OF MANUFACTURE WILL BE SHOWN HERE.

D: \perp IS FOR SAFETY GROUND CONNECTION.

E: TO KEEP THE DISTANCE MORE THAN 4mm BETWEEN PC-BOARD EDGE AND CUSTOMER'S CHASSIS.

Outline Drawing CUT75/T Series

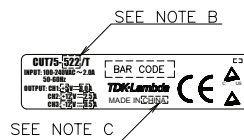


CONNECTORS USED:

PART DESCRIPTION	PART NAME	MANUFACT.	QTY
PIN HEADER (INPUT SIDE CN1)	TL402V-0754-03P-G12S	TIANLI	1
PIN HEADER(OUTPUT SIDE CN51)	TL100V-0755-08P-G12S	TIANLI	1

*OUTPUT CURRENT OF EACH CONNECTOR PIN MUST BE LESS THAN 5A.

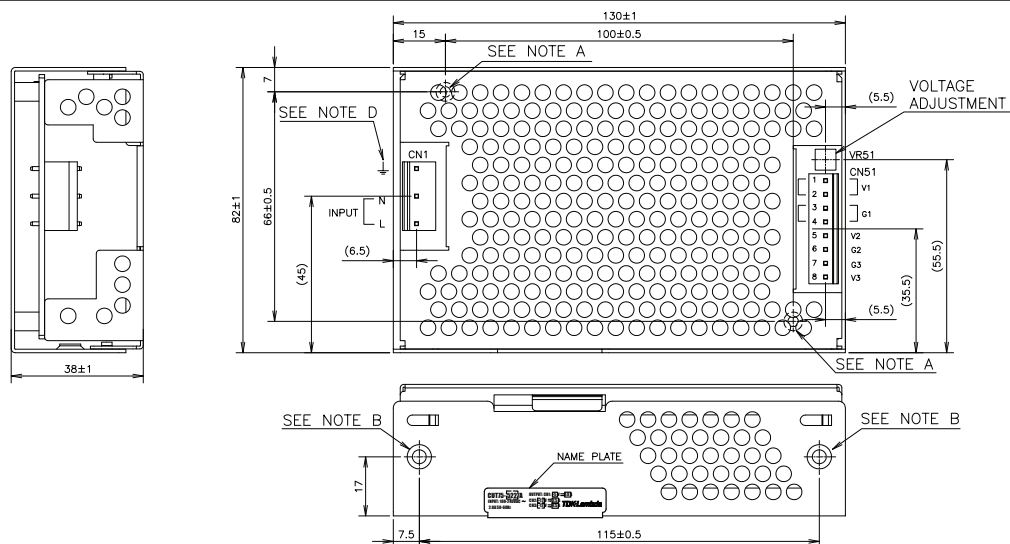
NAME PLATE (SCALE 3:2)



NOTES

- A: THE 4- ϕ 3.5 HOLE ARE CUSTOMER CHASSIS MOUNTING HOLES. ALL MUST BE SCREWED IN ORDER TO CONFORM TO THE VIBRATION SPEC.
- B: MODEL NAME, MAXIMUM OUTPUT POWER, NOMINAL OUTPUT VOLTAGE, MAXIMUM OUTPUT CURRENT, ARE SHOWN HERE IN ACCORDANCE WITH THE SPECIFICATIONS.
- C: COUNTRY OF MANUFACTURE WILL BE SHOWN HERE.
- D: \perp IS FOR SAFETY GROUND CONNECTION.
- E: TO KEEP THE DISTANCE MORE THAN 4mm BETWEEN PC-BOARD EDGE AND CUSTOMER'S CHASSIS.

Outline Drawing CUT75/A Series



CONNECTORS USED:

PART DESCRIPTION	PART NAME	MANUFACT.	QTY
PIN HEADER (INPUT SIDE CN1)	B3P5-VH	JST	1
PIN HEADER(OUTPUT SIDE CN51)	B8P-VH	JST	1

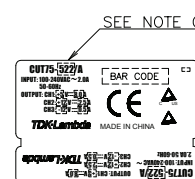
*OUTPUT CURRENT OF EACH CONNECTOR PIN MUST BE LESS THAN 5A.

MATCHING HOUSINGS AND PINS(NOT INCLUDED WITH THE PRODUCT):

SOCKET HOUSING (CN1)	VHR-5N	JST	1
SOCKET HOUSING (CN51)	VHR-8N	JST	1
TERMINAL PINS	SVH-21T-P1.1	JST	11

HAND CRIMPING TOOL : YC-160R CN1,CN51 MANUFACTURER : JST

NAME PLATE (SCALE 3:2)



NOTES

- A: THE 2-M3 TAPPED & STANDOFF FOR CUSTOMER CHASSIS MOUNTING. SCREWS MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN 5mm.
- B: THE 2-M4 EMBOSSED TAPPED & COUNTER-SUNK HOLES FOR CUSTOMER CHASSIS MOUNTING. SCREWS MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN 8mm.
- C: MODEL NAME, MAXIMUM OUTPUT POWER, NOMINAL OUTPUT VOLTAGE, MAXIMUM OUTPUT CURRENT, ARE SHOWN HERE IN ACCORDANCE WITH THE SPECIFICATIONS.
- D: \perp IS FOR SAFETY GROUND CONNECTION.

(unit : mm)

MODEL NAME	CUT75/A
TDK-Lambda	
CAB09-02-01/A	



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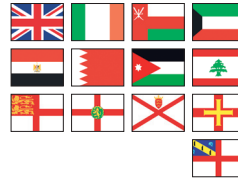
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