CUT75J/A

SPECIFICATIONS

CA874-01-01/A-B

	ITEMS / MODEL			CUT75J-522/A			CUT75J-5FF/A		
				CH1	CH2	CH3	CH1	CH2	CH3
1	Nominal Output Voltage		V	+5	+12	-12	+5	+15	-15
2	Minimum Output Current		A	0	0	0	0	0	0
3	Maximum Output Current		A	8.0	3.0	1.0	8.0	2.5	1.0
4	Typical Output Current		A	8.0	2.5	0.5	8.0	2.0	0.4
5	Maximum Output Power		W	76.0			77.5		
6	Maximum Output Power (CH1, CH2+CH3)		W	40.0	36.0		40.0	37.5	
7	Maximum Output Power (/CH)		W	40.0	36.0	12.0	40.0	37.5	15.0
8	Efficiency (Typ)	(*8)	-	85.0%			85.0%		
9	Input Voltage Range	(*2)	-	85 - 265VAC, 47 - 63Hz					
10	Input Current (Typ)	(*1)	-	2.0A / 1.0A					
11	Inrush Current (Typ)	(*3)	-	18A / 100VAC, 36A / 200VAC (cold start, Ta=25°C)					
12	Output Voltage Range	(*12)	-	V1: +5%, -0% max; V2, V3: Fixed (± 5% max)					
13	Maximum Ripple & Noise (-20<Ta<70°C)	(*4,11)	mV	120	150	150	120	150	150
14	Maximum Line Regulation	(*5,11)	mV	50	240	240	50	300	300
15	Maximum Load Regulation	(*6,11)	mV	100	600	600	100	750	750
16	Temperature Coefficient		-	V1 less than 0.02%/°C, V2, V3 less than 0.03%/°C at -20 - +70°C					
17	Over Current Protection	(*7)	-	More than 105%					
18	Over Voltage Protection		V	5.7 - 7.0	13.8 - 16.8	-	5.7 - 7.0	17.2 - 21.0	-
19	Hold Up Time (Typ)	(*1)	-	12ms / 80ms					
20	Leakage Current	(*9)	-	Less than 0.3mA at 50Hz, 265VAC / 0.5mA at 60Hz, 265VAC 0.11mA(Typ) at 60Hz, 115VAC / 0.22mA(Typ) at 60Hz, 230VAC					
21	Operating Temperature	(*10)	-	-20 - +70°C					
22	Operating Humidity		-	5 - 95%RH (No dewdrop)					
23	Storage Temperature		-	-30 - +85°C					
24	Storage Humidity		-	5 - 95%RH (No dewdrop)					
25	Cooling		-	Convection cooling					
26	EMI		-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B					
27	Withstand Voltage		-	I/P-O/P: 3kVAC(10mA), I/P-FG: 2.0kVAC(10mA), O/P-FG: 500VAC(20mA), CH1-CH2/CH3: 500VAC(20mA) for 1min.					
28	Isolation Resistance		-	More than 100MΩ at Ta=25°C and 70%RH, Output - FG: 500VDC					
29	Vibration		-	10 - 55Hz Amplitude (sweep 1min) Less than 19.6m/s^2 X, Y, Z 1Hr each					
30	Shock (In package)		-	Less than 196.1m/s^2					
31	Safety	(*13)	-	Approved by IEC/EN62368-1, UL62368-1, CSA62368-1, Approved by IEC60601-1, ES60601-1, CSA-C22.2 No.60601-1, Designed to meet EN60601-1					
32	Immunity		-	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11					
33	Weight (Typ)		g	400					
34	Size (W.H.D.)		mm	82 x 38 x 130 (Refer to Outline Drawing)					
35	Line DIP		-	Designed to meet SEMI-F47 (200VAC Line only)					

NOTES:

* 1 : At 100/200VAC, Ta=25°C and typical output current.
* 2 : For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 - 240VAC(50/60Hz).
* 3 : Not applicable for the in-rush current to Noise Filter for less than 0.2ms.
* 4 : Measure with JEITA probe, Bandwidth of scope :20MHz.
* 5 : 85 - 265VAC, typical output current.
* 6 : No load-typical output current, constant input voltage.
* 7 : Current limit and Hiccup with automatic recovery. Not operate at over load or dead short condition.
* 8 : At 200VAC, nominal output voltage and typical output current.
* 9: Measured by the each measuring method of UL, CSA and EN.
*10: Ratings - Derating at standard mounting (Fig. B).
  - Load (%) is percent of maximum output power or typical output current, whichever is greater.
  - As for each mountings, refer to derating curve (CA874-01-02/A-_).
  - As for guarantee low temperature start up area, refer to derating curve (CA874-01-02/A-_).
*11: Please refer to Fig. A for measurement determination of Vo, line & load regulation and output ripple voltage.
*12: No load-typical output current.
*13: As for EN60601-1, ES60601-1 and CSA-C22.2 No.60601-1, 3rd Edition and MOOP level.

Fig. A

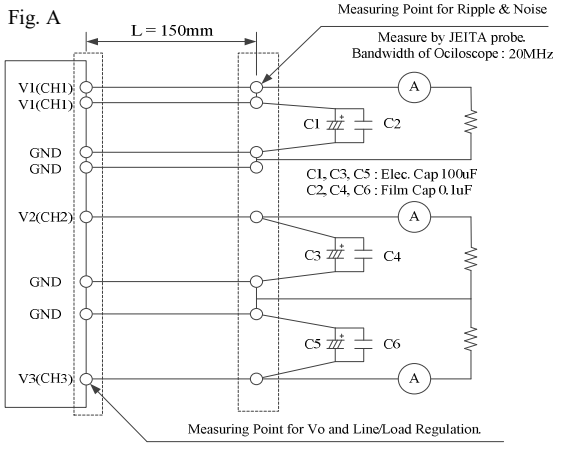
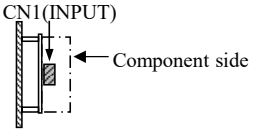


Fig. B



CUT75J/A

OUTPUT DERATING

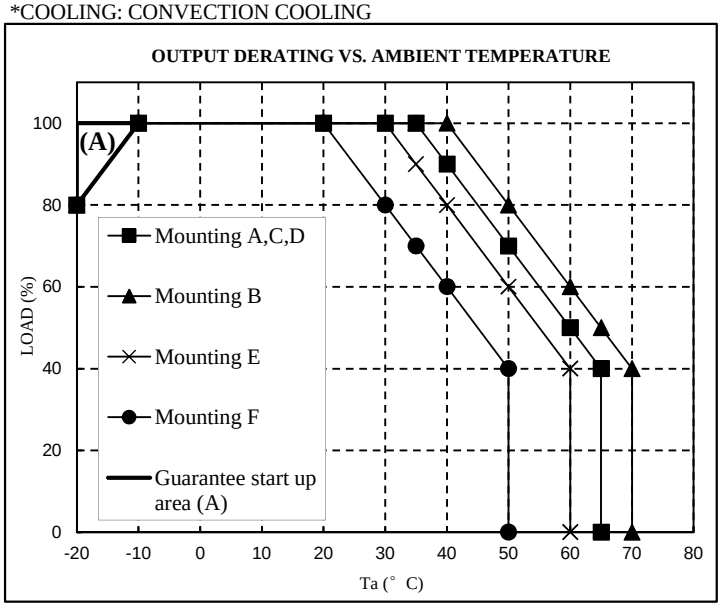
CA874-01-02/A

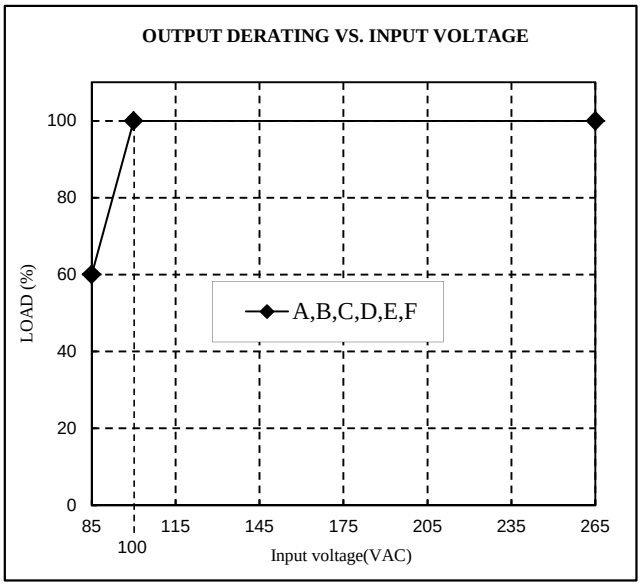
*COOLING: CONVECTION COOLING

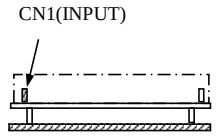
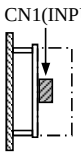
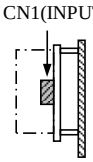
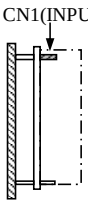
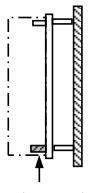
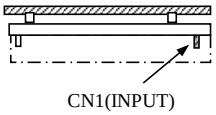
Ta (°C)	LOADING CONDITION(%)			
	Mounting A, C, D	Mounting B	Mounting E	Mounting F
-20	80	80	80	80
-10	100	100	100	100
20	100	100	100	100
30	100	100	100	80
35	100	100	90	70
40	90	100	80	60
50	70	80	60	40
60	50	60	40	-
65	40	50	-	-
70	-	40	-	-

INPUT VOLTAGE	LOADING CONDITION(%)
	All Mounting (A,B,C,D,E,F)
85VAC	60
100VAC-265VAC	100

*COOLING: CONVECTION COOLING





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

・LOW TEMPERATURE START UP (About Guarantee Start up area (A))

*Input voltage : Not gradual start up.
*Do not use the load that is constant current mode.
*Avoid forced air cooling. It is assumed that inside of power supply is heated by self-heating within 1 minutes.
*No condensing.
*About start up of no load and light load. The output voltage may become unstable when increased load suddenly before warming.
*Pay attention to above items before using the unit. Incorrect usage could lead to unstable output voltage.