

**CUT75J/B**

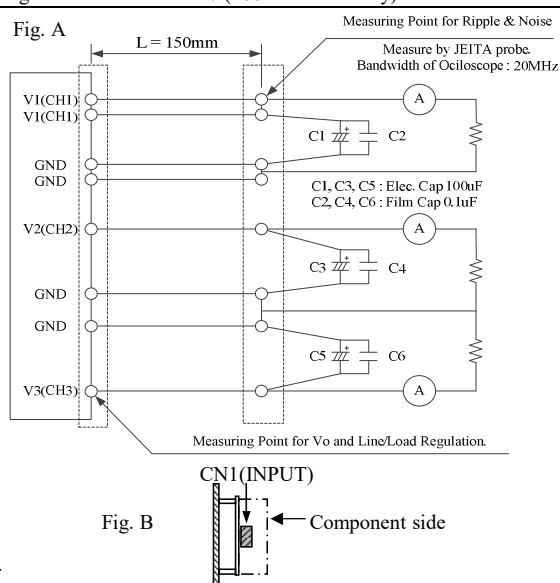
**SPECIFICATIONS**

CA874-01-01/B-B

ITEMS			MODEL	CUT75J-522/B			CUT75J-5FF/B		
				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 <sup>2</sup> X, Y, Z 1Hr each						
30	Shock (In package)	-	Less than 196.1m/s <sup>2</sup>						
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	310						
34	Size ( W.H.D.)	mm	76 x 37 x 147 (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/B-).
  - As for guarantee low temperature start up area, refer to derating curve (CA874-01-02/B-).
- \* 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.



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**OUTPUT DERATING**

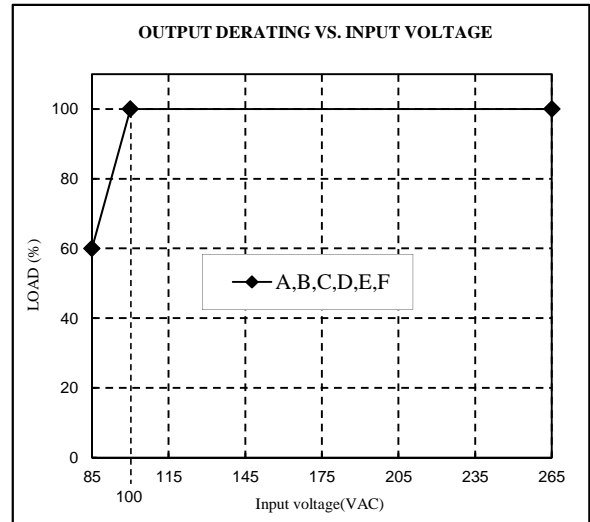
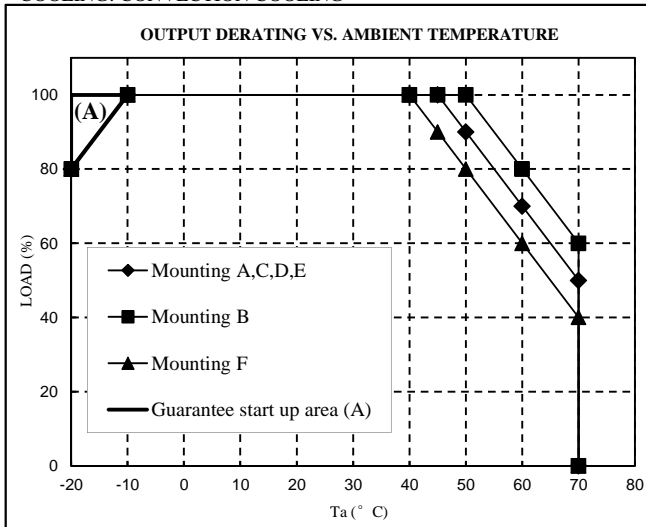
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\*COOLING: CONVECTION COOLING

Ta (°C)	LOADING CONDITION(%)		
	Mounting A, C, D, E	Mounting B	Mounting F
-20	80	80	80
-10	100	100	100
40	100	100	100
45	100	100	90
50	90	100	80
60	70	80	60
70	50	60	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) (STANDARD MOUNTING)	(MOUNTING C)	(MOUNTING D)	(MOUNTING E)	(MOUNTING F)

**•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.