

CUT35J/L

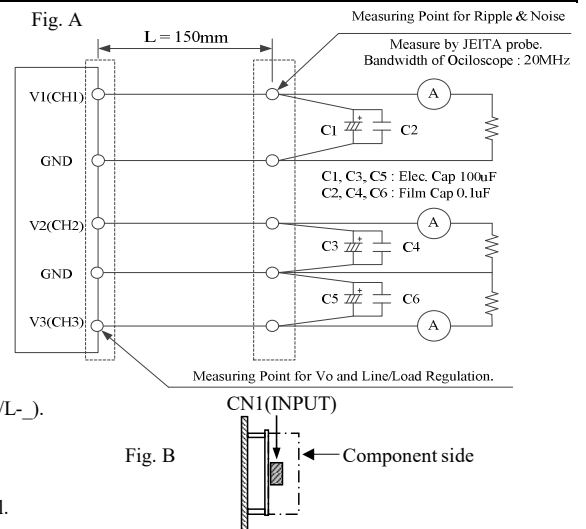
SPECIFICATIONS

CA873-01-01/L-B

ITEMS		MODEL	CUT35J-522/L			CUT35J-5FF/L			
			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	3.0	1.2	0.85	3.0	1.0	0.65	
4	Typical Output Current	A	3.0	1.2	0.5	3.0	1.0	0.3	
5	Maximum Output Power	W	35.4			34.5			
6	Maximum Output Power (CH1, CH2+CH3)	W	15.0	20.4		15.0	19.5		
7	Maximum Output Power (/CH)	W	15.0	14.4	10.2	15.0	15.0	9.75	
8	Efficiency (Typ)	(*)8	81.0%			82.0%			
9	Input Voltage Range	(*)2	85 - 265VAC, 47 - 63Hz						
10	Input Current (Typ)	(*)1	1.0A / 0.5A						
11	Inrush Current (Typ)	(*)3	13A / 100VAC, 32A / 230VAC (cold start, Ta=25°C)						
12	Output Voltage Range	(*)12	V1: +5%, -0% max; V2, V3: Fixed (± 5% max)						
13	Maximum Ripple & Noise (0<Ta<60°C, 35-100% Load)	(*)4,11	mV	120	150	150	120	150	150
	(-20<Ta<0°C, 35-100% Load)	(*)4,11	mV	160	180	180	160	180	180
	(-20<Ta<60°C, 0-35% Load)	(*)4,11	mV	300	400	400	300	400	400
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 - +60°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	16ms / 90ms						
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 - +60°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 IEC/EN60601-1, ES60601-1, CSA-C22.2 No.60601-1						
32	Immunity	-	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11						
33	Weight (Typ)	g	165						
34	Size (W.H.D.)	mm	62 x 36 x 125 (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 (CA873-01-02/L-).
 - When ambient temperature less is than -10°C, refer to derating curve (CA873-01-03/L-).
- *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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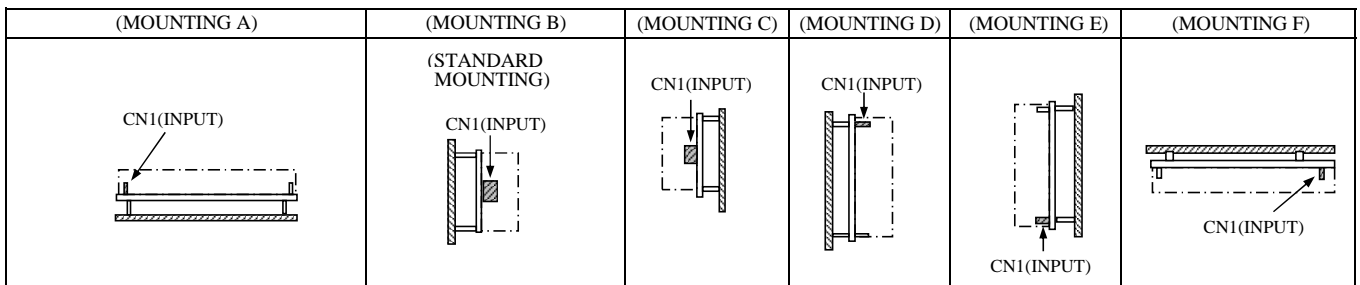
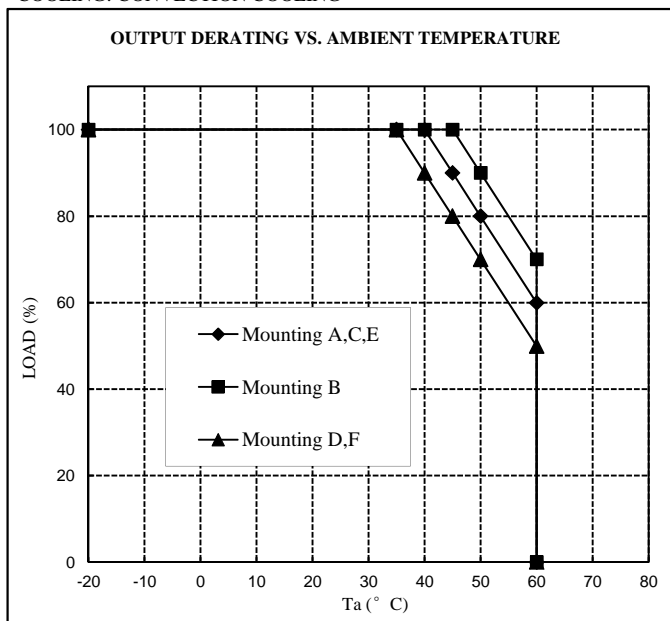
OUTPUT DERATING

CA873-01-02/L

*COOLING: CONVECTION COOLING

Ta (°C)	LOADING CONDITION(%)		
	Mounting A,C,E	Mounting B	Mounting D,F
-20	100	100	100
35	100	100	100
40	100	100	90
45	90	100	80
50	80	90	70
60	60	70	50

*COOLING: CONVECTION COOLING



CUT35J/L

OUTPUT DERATING

CA873-01-03/L

Output derating for start up when ambient temperature is less than -10°C

INPUT VOLTAGE	LOADING CONDITION(%)
	All Mounting (A,B,C,D,E,F)
85VAC	60
105-265VAC	100

