CUT100

SPECIFICATIONS

	ITEMS / MODEL			CUT100-522			CUT100-5FF			REV
				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	12.0	4.0	1.0	12.0	3.2	1.0	
4	Typical Output Current		A	10.0	3.5	0.5	10.0	2.8	0.5	
5	Maximum Output Power		W	60.0	48.0	12.0	60.0	48.0	15.0	
					60.0			60.0		
6	Maximum Total Allowable Output Power		W	100.0			100.0			
7	Efficiency (Typ)	(*9)	-	85.0%			85.0%			
8	Input Voltage Range	(*2)	-	85~265VAC, 47~63Hz or 120-370VDC						
9	Input Current (Typ)	(*1)	-	1.4A / 0.7A						
10	Inrush Current (Typ)	(*3)	-	30A / 100VAC, 60A / 200VAC (cold start, Ta=25°C)						
11	Power Factor (Typ)	(*1)	-	0.99 / 0.93						
12	Output Voltage Range	(*13)	-	V1: +5%, -0% max; V2, V3: Fixed (± 5% max)						
13	Maximum Ripple & Noise (-20<Ta<70°C)	(*4,12)	mV	60	150	150	60	150	150	
14	Maximum Line Regulation	(*5,12)	mV	30	70	70	30	80	80	
15	Maximum Load Regulation	(*6,12)	mV	100	600	600	100	750	750	
16	Temperature Coefficient		-	V1 less than 0.02%, V2, V3 less than 0.03% at -20~70°C						
17	Over Current Protection	(*7)	-	More than 105%						
18	Over Voltage Protection	(*8)	V	5.7~7.0	13.8~16.8	-	5.7~7.0	17.2~21.0	-	
19	Hold Up Time (Typ)	(*9)	-	20ms						
20	Leakage Current	(*10)	-	Less than 0.3mA@50Hz, 0.5mA@60Hz at 265VAC. 0.11mA(Typ) at 115VAC / 0.22mA(Typ) @60Hz at 230VAC.						
21	Operating Temperature	(*11)	-	-20~70°C (-20~+45°C: 100%, 70°C: 50%)						
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		-	Approved by IEC/EN62368-1, UL62368-1, CSA62368-1 Designed to meet IEC60601-1, ES60601-1, CSA-C22.2 No.60601-1 Designed to meet EN60601-1						B
32	Immunity		-	Designed to meet IEC61000-4-2(Level 3,4), -3(Level 3), -4(Level 4), -5(Level 3,4), -6(Level 3), -8(Level 4), -11						
33	Weight (Typ)		g	260						
34	Size (W.H.D.)		mm	76 x 28 x 127 (Refer to Outline Drawing)						

NOTES:

* 1 : At 100/200VAC, Ta=25°C and typical load.
* 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 RC-9131A probe, Bandwidth of scope :20MHz. Please refer to Fig. A.
* 5 : 85~265VAC, typical load.
* 6 : No load-typical load, constant input voltage.
* 7 : Current limit and Hiccup with automatic recovery. Not operate at over load or dead short condition for more than 30seconds.
* 8 : OVP circuit shut down the output, manual reset (Repower on) to resume output voltage.
* 9 : At 200VAC, nominal output voltage and typical load.
* 10: Measured by the each measuring method of UL, CSA, EN and DENAN.
*11: Ratings - Derating at standard mounting (Fig. B).
  - Load (%) is percent of maximum output power or typical load, whichever is greater.
  - As for other mountings, refer to derating curve (CA981-01-02_).
*12: Please refer to Fig. A for measurement determination of line & load regulation and output ripple voltage.
*13: No load-typical load.

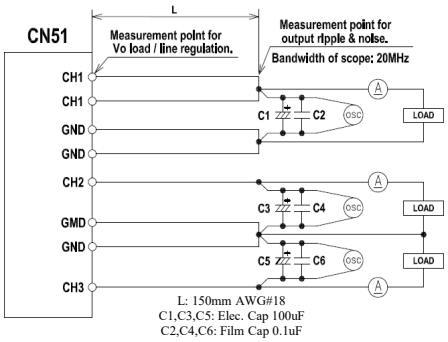

Fig.A

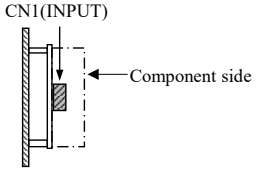

Fig. B

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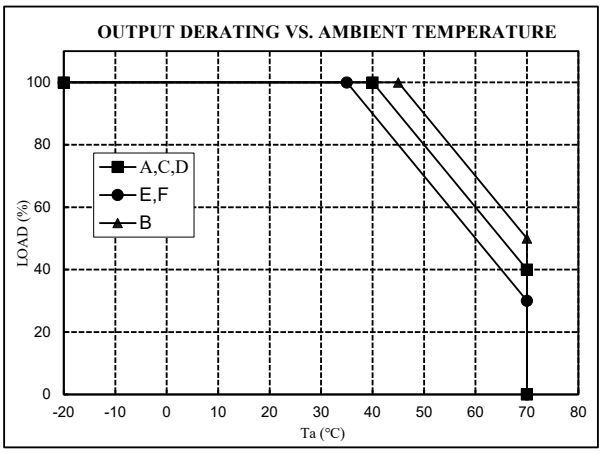
CUT100

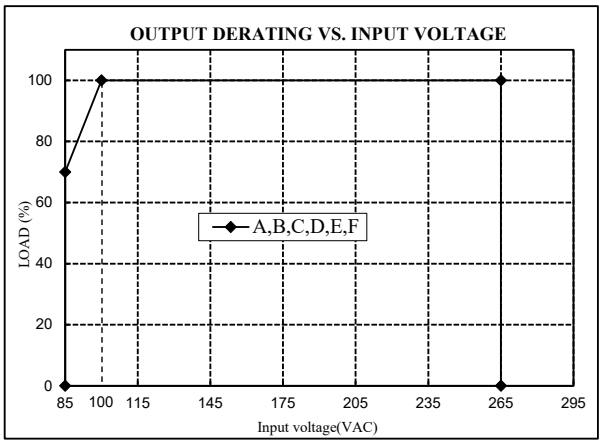
OUTPUT DERATING

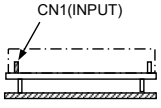
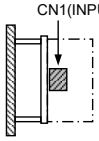
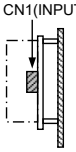
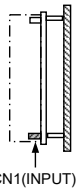
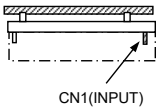
*COOLING: CONVECTION COOLING

Ta (℃)	Mounting		
	A, C, D	B	E, F
	Loading Condition (%)		
-20~35	100	100	100
40	100	100	90
45	90	100	80
70	40	50	30

Input Voltage	Loading Condition (%)
	All Mounting (A,B,C,D,E,F)
85VAC	70
100VAC-265VAC	100





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

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