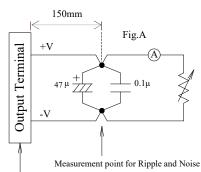
## **SPECIFICATIONS**

## CA884-01-01/CO-B

MODEL .					
	ITEMS	IODEL		CME30A-12/CO	CME30A-24/CO
1	Nominal Output Voltage		V	12	24
2	Maximum Output Current		Α	2.5	1.25
3	Maximum Output Power		W	30	30
4	Efficiency (Typ.)	(*1)	%	87 / 88	88 / 90
5	No Load Power Consumption	. ,	W	< 0.3 at 265VAC, Ta=25°C,	Nominal Output Voltage
6	Input Voltage Range	(*2)	-	85 - 265 VAC (47-63Hz)	
7	Input Current (Typ.)	(*1)	Α	0.6 / 0.4	
8	* **	*1)(*3)	Α	30 / 60 at Cold Start	
9	Output Voltage Range		-	Fixed (shipment condition: ±2.5%)	
10	1 0 0		mV	120 / 200	150 / 200
11		4)(*5)	mV	280	280
12		*4)(*6)	mV	48	96
13		*4)(*7)	mV	120	192
14	Temperature Coefficient	(*4)	-	Less than 0.02% / °C	
15	Over Current Protection	(*8)	-	>105% of Maximum Output Current . Design to meet Class 2 limited power source	
16	Over Voltage Protection	(*9)	-	Above 115% ~, shutdown	
17	Hold-up time (Typ.)	(*1)	ms	20 / 100	
18	Earth Leakage Current	(*10)	-	0.25mA max at 265VAC,60Hz	
19	Parallel Operation		-	No	
20	Series Operation		-	Possible	
21	Operating Temperature	(*11)	-	-20°C to +70°C	
22	Operating Humidity	, ,	-	10 to 90%RH (No condensing)	
23	Storage Temperature		-	-40°C to +85°C	
24	Storage Humidity		-	10 to 90%RH (No condensing)	
25	Isolation Class / Class of Protection		-	Class I (L,N,FG) or ClassII (L,N)	
26	Cooling		-	Convection Cooling	
27	Withstand Voltage		-	Input-Output: 4kVAC (20mA) 2xMOPP,	
				Input-FG: 2kVAC (2	0mA) 1xMOPP,
				Output-FG: 1.5kVAC (20mA) 1xMOPP	
28	Isolation Resistance		-	More than $100M\Omega$ at $25^{\circ}$ C, $70^{\circ}$ RH, Output - FG: $500$ VDC	
29	Vibration		-	At no operating, 10-500Hz (Sweep for 1min.)	
				Maximum 19.6m/s <sup>2</sup> X,Y,Z 1 hour each	
30	Shock		-	Less than 196m/s <sup>2</sup> , MIL-STD-810F	
31	Safety		-	Approved by IEC/EN62368-1, UL62368-1, CSA62368-1 Approved by IEC/EN60601-1, ES60601-1, CSA-C22.2 No.60601-1	
32	EMI	(*1)	_	Designed to meet EN55011-B, EN55032-B, FCC-Class B	
33		(.1)		Designed to meet IEC61000-6-2, IEC61000-4-2, IEC61000-4-3,	
55	Immunity		-	IEC61000-4-4, IEC61000-4-5, IEC61000-	
24	Line DIP		_	IEC60601-1-2 Ed.4  Designed to meet SEMI-F47 at 200VAC only	
35				Designed to meet SEMI-F47 at 200 VAC only  62	
36	Weight (Typ.)		g	ů-	
36	Size (LxWxH)		mm	76.2 x 50.8 x 24.2 (Refer to Outline Drawing)	

- \*Read instruction manual carefully, before using the power supply unit.
- =NOTES=
- \*1. At 115VAC/230VAC, Ta=25°C, nominal output voltage and maximum output power.
- \*2. For cases where conformance to various safety specs (UL, CSA, EN) are required, input voltage range will be 100 240VAC (50-60Hz).
  - Output derating required when Vin is less than 115VAC, refer output derating curve for details.
- \*3. Not applicable for the in-rush current to noise filter for less than 0.2ms.
- \*4. Please refer to Fig. A for measurement of Vo, line and load regulation and ripple voltage.
- \*5. Ripple & noise are measured at 20MHz by using a 150mm twisted pair of load wires terminated with a 0.1uF and 47uF capacitor.
- \*6. 85~265VAC, constant load.
- \*7. No load full load, constant input voltage.
- \*8. Hiccup with automatic recovery. Avoid operating at over load or short circuit condition.
- \*9. OVP circuit shut down the output, manual reset (Re power on) to get output voltage.
- \*10. Measured by the each measuring method of UL, CSA, and EN (at 60Hz), Ta=25°C.
- \*11. Refer to output derating curve for details of output derating versus input voltage, ambient temperature and mounting method.
  - Load (%) is percent of maximum output power or maximum output current. Do not exceed its derating of maximum Load.



Measurement point for Vo Line/Load Regulation