

CME60A/CO

SPECIFICATIONS

CA885-01-01/CO-B

MODEL			CME60A -5/CO	CME60A -12/CO	CME60A -15/CO	CME60A -18/CO	CME60A -24/CO	CME60A -48/CO
ITEMS								
1	Nominal Output Voltage	V	5	12	15	18	24	48
2	Maximum Output Current	A	6.0	5.0	4.0	3.4	2.5	1.25
3	Maximum Output Power	W	30	60	60	60.3	60	60
4	Efficiency (Typ.)	(*1) %	81 / 81	87 / 88	87.5 / 87	88 / 88	89 / 90	90 / 91
5	No Load Power Consumption	W	< 0.5 at 265VAC , Ta=25°C, Nominal Output Voltage					
6	Input Voltage Range	(*2) -	85 - 265 VAC (47-63Hz)					
7	Input Current (Typ.)	(*1) A	0.7 / 0.5	1.2 / 0.8				
8	Inrush Current (Typ.)	(*1)(*3) A	30 / 60 at Cold Start					
9	Output Voltage Range	-	Fixed (Shipment condition: 5V: ±3%; 12V,15V,18V,24V,48V: ±2.5%)					
10	Maximum Ripple & Noise(Ta>0°C/Ta<=0°C) (*1)(*4)(*5)	mV	120 / 200	120 / 200	150 / 500	150 / 500	150 / 500	200 / 500
11	Maximum Ripple & Noise (0%~35% Load) (*4)(*5)	mV	240	280	280	280	280	480
12	Maximum Line Regulation (*4)(*6)	mV	20	48	60	72	96	192
13	Maximum Load Regulation (*4)(*7)	mV	100	120	120	144	192	384
14	Temperature Coefficient (*4)	-	Less than 0.02% / °C					
15	Over Current Protection (*8)	-	>105% of Maximum Output Current. 12V,15V,18V,24V design to meet Class 2 limited power source					
16	Over Voltage Protection (*9)	-	Above 120% ~ , shutdown					
17	Hold-up time (Typ.) (*1)	ms	20 / 100					
18	Earth Leakage Current (*10)	-	0.2mA 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 (20mA) 1xMOPP, Output-FG : 1.5kVAC (20mA) 1xMOPP					
28	Isolation Resistance	-	More than 100MΩ at 25°C,70%RH, Output - FG : 500VDC					
29	Vibration	-	At no operating, 10-500Hz (Sweep for 1min.) Maximum 19.6m/s ² X,Y,Z 1 hour each					
30	Shock	-	Less than 196m/s ² , 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	Immunity	-	Designed to meet IEC61000-6-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5,IEC61000-4-6, IEC61000-4-8, IEC61000-4-11, IEC60601-1-2 Ed.4					
34	Line DIP	-	Designed to meet SEMI-F47 at 200VAC only					
35	Weight (Typ.)	g	120					
36	Size (L x W x H)	mm	76.2 x 50.8 x 26.7 (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 100VAC, 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.

