

CN200B110/CO

SPECIFICATIONS

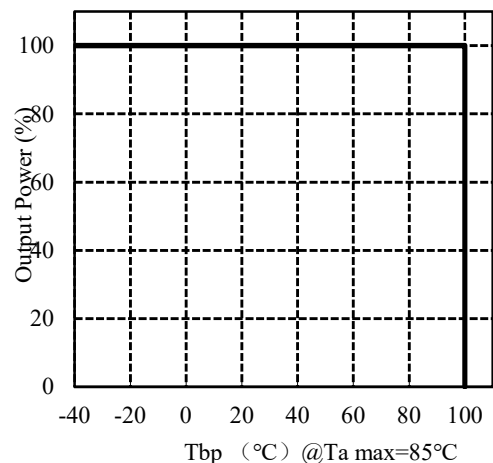
CA938-01-01/CO

ITEMS		MODEL	CN200B110-12/CO	CN200B110-13.8/CO	CN200B110-15/CO	CN200B110-24/CO
1	Nominal Output Voltage	V	12	13.8	15	24
2	Maximum Output Current	A	16.7	14.5	13.4	8.4
3	Maximum Output Power	W	200.4	200.1	201	201.6
4	Efficiency (Typ.)	(*1) %	90	91	90	90
5	Input Voltage Range	(*7)(*8) VDC	43 - 160			
6	Input Current (Typ.)	(*1) A	2.0	2.0	2.1	2.1
7	Output Voltage Accuracy	(*1) %	-/+ 1			
8	Output Voltage Range	(*9) %	-20 / +20	-30 / +4	-20 / +20	-20 / +10
9	Maximum Ripple & Noise	(*9) mV	150	150	150	240
10	Maximum Line Regulation	(*2) mV	48	48	60	96
11	Maximum Load Regulation	(*3) mV	96	96	120	192
12	Over Current Protection	(*4) %	102 - 150			
13	Over Voltage Protection	(*5)(*8) %	125 - 145	109 - 126	125 - 145	115 - 135
14	Remote Sensing	(*8) -	Possible			
15	Remote ON/OFF Control	(*8) -	Possible (SHORT : ON OPEN : OFF)			
16	Parallel Operation	(*8) -	Possible			
17	Series Operation	(*8) -	Possible			
18	I.O.G Signal	(*8) -	Possible (Open Collector Output)			
19	AUX - BIAS Power supply	(*8) -	-			
20	Operating Temperature	(*6)(*8) -	-40°C - +100°C (Baseplate)			
21	Operating Humidity	-	5 - 95%RH (No Dewdrop)			
22	Storage Temperature	-	-40°C - +100°C			
23	Storage Humidity	-	5 - 95%RH (No Dewdrop)			
24	Cooling	-	Conduction Cooled			
25	Temperature Coefficient	-	0.02%/°C			
26	Withstand Voltage	(*10) -	Input-Baseplate : 2.5kVAC for 1min (20mA), Input-Output: 3.0kVAC for 1min (20mA). Output-Baseplate: 500VAC for 1min (20mA)			
27	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output-Baseplate...500VDC			
28	Vibration	-	At No Operating, 10-55Hz (Sweep for 1min.) Amplitude 0.825mm Constant (Maximum 49.0m/s ²) X,Y,Z 1 hour each IEC61373-Category 1-Grade B			
29	Shock	-	196.1m/s ² , IEC61373-Category 1-Grade B			
30	Safety	-	Design to meet IEC/EN/UL 62368-1 (Safety application is in progress)			
31	Weight (Typ.)	g	100			
32	Size (W x H x D)	mm	61.0 x 12.7 x 57.9 (Refer to Outline Drawing)			

* Read instruction manual carefully, before using the power supply unit. Derating Curve 1

=NOTES=

- *1. At 110VDC and maximum output current.
(Baseplate Temperature = +25°C)
- *2. 43 - 160VDC, Constant load.
- *3. No Load - Full Load, Constant input voltage.
- *4. Constant current limiting before LVP trigger.
Delay hiccup when left in OCP condition with the output voltage less than LVP level.
- *5. Automatic recovery
- *6. Rating - Refer to Derating Curve 1 on the right.
- Load(%) is percent of maximum output current.
- *7. Rating - Refer to Derating Curve 2 (CA938-01-03/CO_).
- *8. Refer to Instruction Manual.
- *9. External components are necessary for operation.
(Refer to Basic Connection and Instruction Manual.)
- *10. This specification applies to power supply module as stand-alone.



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Derating Curve 2
Output Voltage Trim up Range Limited v.s Input Voltage

