

TEP200-280

Specification

B094-01-01A (1/2)

Spec		Model	TEP200-280
1	Rated DC Output Voltage (*1)	V	280(Typ) Fixed
2	Maximum DC Output Current	A	0.7 (Vin :450V~)
3	Maximum Output Power (*2)	W	200 (Need De-Rating by Input Voltage)
4	Efficiency (*3)	%	88 (Typ)
5	Input DC voltage Range	-	300 - 1000 VDC
6	Input Current (Typ.) (*3)	A	0.34 (Typ) at 650VDC
7	Input Surge Current (*4)	-	17A (Typ) at 1000V Cold start (25°C)
8	Input Current Harmonics	-	-
9	Power Factor	-	-
10	Output Voltage adjustable range	-	-
11	Maximum Ripple noise (*3)	V	Less than 5.6
12	Maximum line Regulation	V	10
13	Maximum Load regulation (*5)	V	20
14	Temperature Coefficient	-	-
15	Over Current Protection (*6)	A	Over 0.36 (at 300VDC) Over 0.73 (at 450VDC) Output Delay Shut Down
16	Over Voltage Protection (*6)	-	294V-350V Output Shut Down
17	Over Temperature Protection (*6)	-	Provided Output Shut down
18	Hold up time (*7)	-	-
19	Leakage Current	-	-
20	Remote Sensing	-	No
21	Parallel Operation	-	Yes (By Droop Method Up to 2 units Only. Total power output Power 360W (80%))
22	Series Operation	-	No
23	Operating Temperature Range	-	-20 - +60°C
24	Operation Humidity Range	-	30 - 90%RH (No Dewdrop)
25	Storage Temperature Range	-	-30 - 85°C
26	Storage Humidity Range	-	10 - 95%RH (No Dewdrop)
27	Cooling Method (*8)	-	Convection Cooling
28	Hipot	-	Input- Safety Earth : 3kVAC (20mA), Input - Output : 3.0kVAC (20mA) Output - Safety Earth : 2kVAC (20mA) Each 1 min.
29	Isolation Resistance	-	- (Evaluated by Hipot Spec above)
30	Vibration	-	10 - 55Hz (Sweep 1min) Non-Operation (In Package) 19.6m/s ² Constant, X, Y, Z Each 1hr
31	Shock	-	Less than 196m/s ² (In Package)
32	Safety Standards	-	N/A
33	Conducted Emission	-	No Spec.
34	Radiated Emission	-	No Spec.
35	Immunity (*9)	-	No Spec. (Impulse 4kV (Input) 500V (Output) With external SPD: STP1000YPVM)
36	Mass	-	Less than 1100g
37	Outline (WxHxD) (*10)	mm	210 x 297x 45 (Refer to Outline Drawings)

*Read Instruction Manual carefully before start to use.

= Note =

- *1. No Output voltage Adjustable
- *2. Need De-rating by input voltage. At 450VDC,200W. At 300VDC,100W. Lineally de-rating.
- *3. At 650VDC,200W out. Varies according to Input voltage/Load. (Ta=25°C)
- *4. Limit by internal NTC Power Thermistor. Varies by input voltage/Temperature.
- *5. When No load, output voltage is maximum. Decline output voltage according to load increase.
- *6. Latched shut down. Restart by line recovery.
- *7. No capacitor for hold up time intend to DC input only.
- *8. Limited mounting direction due to heat dissipation.
- *9. No immunity Spec. specified. When require, adopt by customer system side.
- *10. Plastic Cover Fitted as Standard (See next page)

TEP200-280

B094-01-01A (2/2)

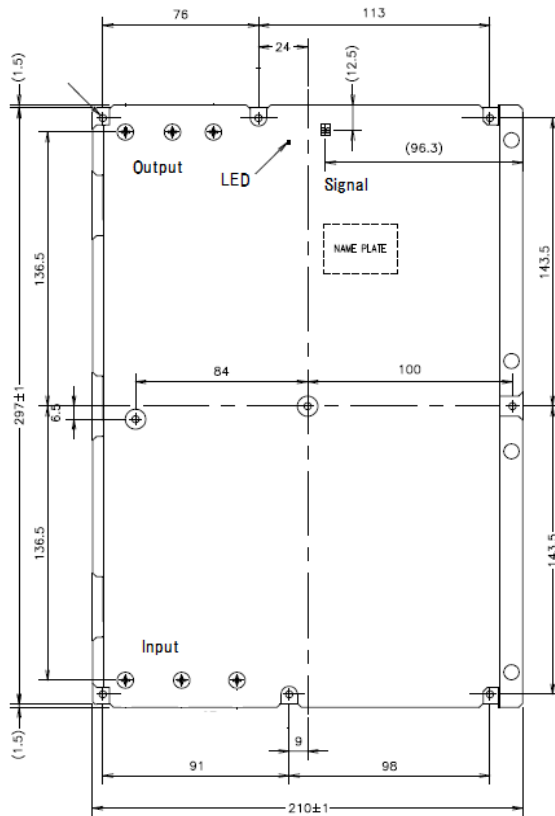
In/Out: M4 Screw Terminal

Signal: Open collector at Low output Voltage 5045-02A(Molex)
(Turn Off Green LED at low output voltage)

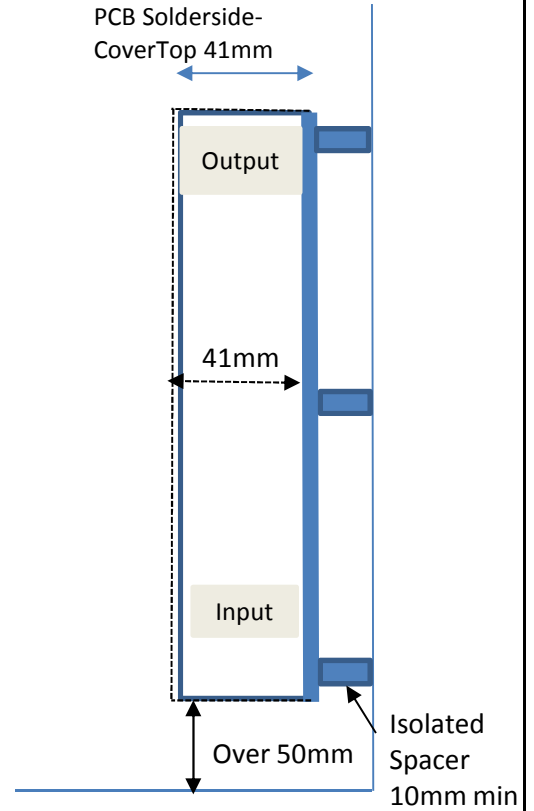
Mounting Hole: 9-φ3.5

Protection Cover Available(Poly Carbonate H:41mm fixed on PCB)

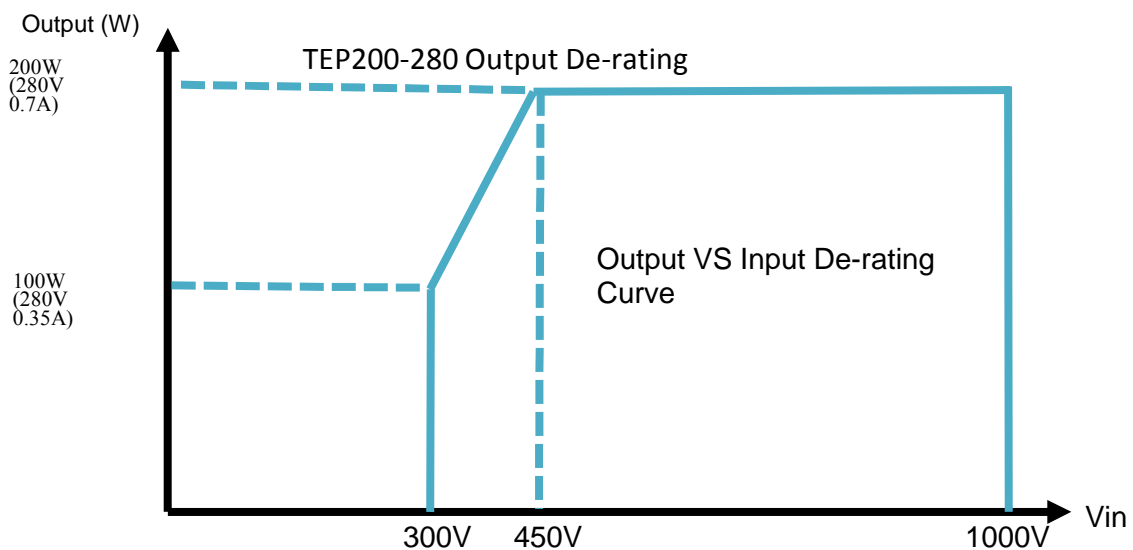
TEP200-280 Outline and Mounting



PCB Solderside-CoverTop 41mm



Mount Vertically with spacer for effective heat dissipation.(Isolated type Spacer) (Standard mounting)
Keep necessary spacing and creepage according to safety Standard requirement.
Do NOT warp the PCB when mounting. The SMD component might be damaged.



*For different mounting, extra de-rating required. Please refer to instruction Manual