

PAF500F48-*

SPECIFICATIONS

C160-01-01B

MODEL			PAF500F48-3.3	PAF500F48-5	PAF500F48-12	PAF500F48-28
ITEMS						
1	Nominal Output Voltage	V	3.3	5	12	28
2	Maximum Output Current	A	80	80	42	18
3	Nominal Output Power	W	264	400	504	504
4	Efficiency (Typ.) (*1)	%	78	83	89	90
5	Input Voltage Range	-	36 - 76VDC			
6	Input Current (Typ.) (*2)	A	7.3	10.4	12.2	12.1
7	Output Voltage Accuracy (*2)	%	±1			
8	Output Voltage Range (*10)	-	-40%, +20%		-40%, +10%	
9	Maximum Ripple & Noise (*10)	mV	100	100	200	280
10	Maximum Line Regulation (*3)	mV	10	10	24	56
11	Maximum Load Regulation (*4)	mV	10	10	24	56
12	Over Current Protection (*5)	-	105% - 140%			
13	Over Voltage Protection (*6)(*9)	-	130% - 160%	125% - 145%	115% - 135%	
14	Remote Sensing (*9)	-	Possible			
15	Remote ON/OFF Control (*9)	-	Possible (SHORT : ON OPEN : OFF)			
16	Parallel Operation (*9)	-	Possible			
17	Series Operation (*9)	-	Possible			
18	I.O.G. Signal (*9)	-			Possible (Open Collector Output)	
19	Operating Temperature (*7)	-	-40°C - +100°C(Baseplate) Ambient Temperature min=-40°C			
20	Operating Humidity	-	20 - 95%RH (No Dewdrop)			
21	Storage Temperature	-	-40°C - +100°C			
22	Storage Humidity	-	10 - 95%RH (No Dewdrop)			
23	Cooling (*8)	-	Conduction Cooled			
24	Temperature Coefficient (%)	-	0.02%/°C			
25	Withstand Voltage	-	Input-Baseplate : 1.5kVDC, Input-Output : 1.5kVDC for 1min. Output-Baseplate : 500VDC for 1min.			
26	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output-Baseplate...500VDC			
27	Vibration	-	At No Operating, 10-55Hz (Sweep for 1min.) Amplitude 0.825mm Constant (Maximum 49.0m/s ²) X,Y,Z 1 Hour each			
28	Shock	-	196.1m/s ²			
29	Weight (Typ.)	g	250			
30	Size (W x H x D)	mm	61 x 12.7 x 116.8 (Refer to Outline Drawing)			

=NOTES=

- *1. At 48VDC, 80% of Maximum Output Current and Baseplate Temperature = +25°C.
- *2. At 48VDC and Maximum Output Current.
- *3. 36 - 76VDC, Constant Load.
- *4. No load - Full load, Constant input voltage.
- *5. Constant current limiting with automatic recovery.
- *6. Inverter shutdown method, Manual Reset.
- *7. Ratings - Refer to Derating Curve on the Right.
- Load(%) is Percent of Maximum Output Current.
- *8. Heatsink has to be Chosen According to Instruction Manual.
- *9. Refer to Instruction Manual.
- *10 External Components are Needed for Operation.
(Refer to Basic Connection and Instruction Manual)

Derating Curve



