

- Output Voltages from 7.2V to 57V
- Current Share
- Operation to +100°C Baseplate
- Wide Adjustable Output Range

### Key Market Segments & Applications

- Servers & Rail Systems
- High End Computers
- Customer Power Supplies

## PAF450F280 & PAF600F280

200V to 400VDC Input Full Brick  
DC-DC Converters

### PAF450F280 & PAF600F280 Features and Benefits

#### Features

- Wide adjustment range
- Parallel Pin
- High efficiency - up to 91%

#### Benefits

- Reduces need for custom modules
- Modules can be connected together for higher current
- Reduces Heat Loss

### Specifications

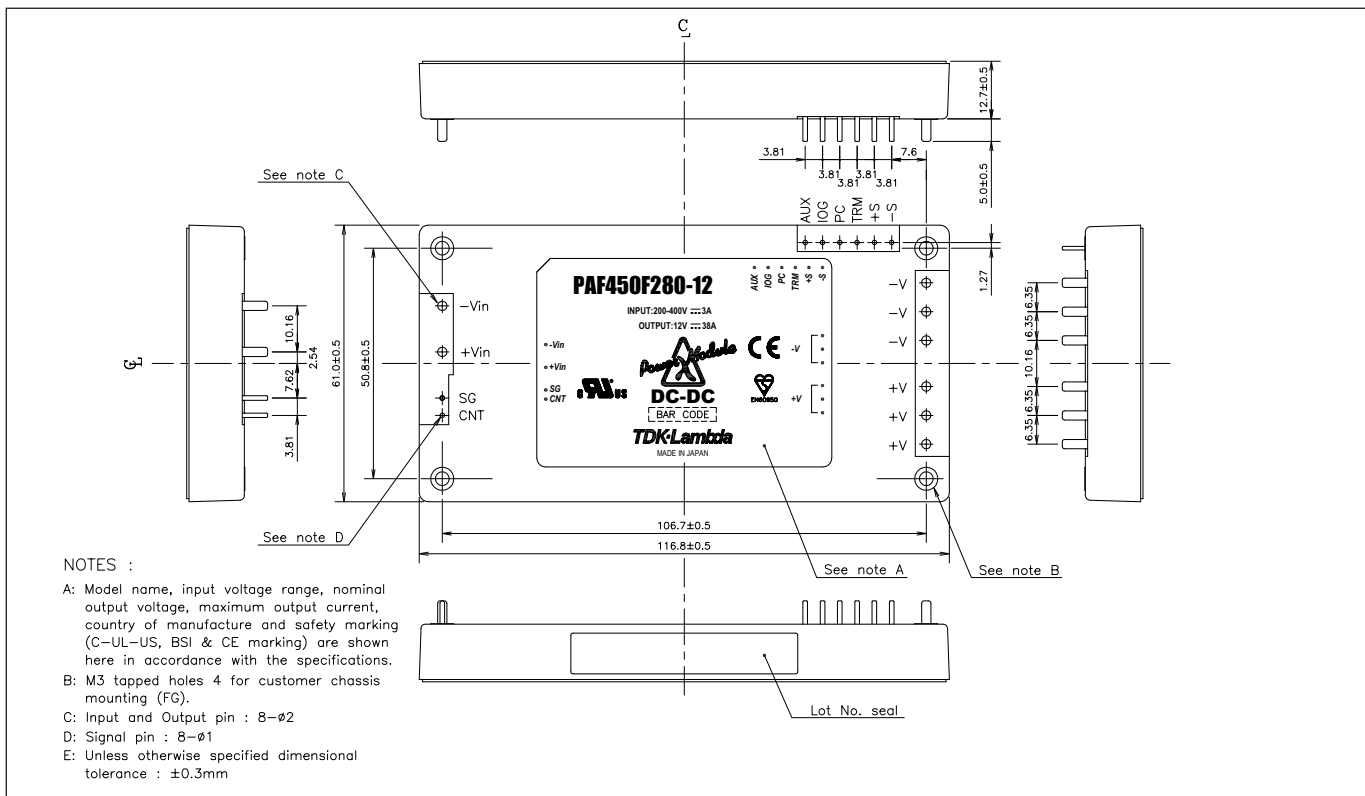
ITEMS	MODEL	PAF600F280-12	PAF600F280-24	PAF600F280-28	PAF600F280-48
		/PAF450F280-12	/PAF450F280-24	/PAF450F280-28	/PAF450F280-48
Nominal Output Voltage	VDC	12	24	28	48
Output Current (Max)	A	50/38	25/19	21.5/16.5	12.5/9.5
Max Output Power	W	600/456	600/456	602/462	600/456
Efficiency (Typ)	%	89/90	91	91	91
Input Voltage Range	VDC	200-400VDC			
Output Voltage Accuracy	%	±1			
Output Voltage Adjustment	VDC	7.2 - 14.4	14.4 - 28.8	16.8 - 33.6	28.8 - 57.6
Max Ripple & Noise	mV	120	240	280	480
Max Line Regulation	mV	48	56	56	96
Max Load Regulation	mV	48	56	56	96
Temperature Coefficient	°C	0.02%/°C			
Overcurrent Protection	%	105 - 140%			
Overvoltage Protection	%	125 - 145%			
Signals & Control	-	Remote sense, remote On/Off, Parallel Pin, Inverter Good, 10-14V Auxiliary voltage			
Baseplate Temperature	-	-40°C to +100°C Baseplate: (See derating chart)			
Humidity (non condensing)	-	5 - 95% RH Operating, 5 - 95% RH Non Operating			
Cooling	-	Conduction (See Installation Manual for heatsink selection)			
Isolation Voltage	-	Input to Baseplate: 2500VAC (20mA); Input to Output 3000VAC for 1 min.; Output to Baseplate: 500VDC for 1 min			
Shock	-	196.1m/s <sup>2</sup>			
Vibration	-	Non Operating, 10-55Hz (sweep for 1 min.) Amplitude 0.825mm constant (Max 49 m/s <sup>2</sup> ) X,Y,Z 1 hour each			
Safety Agency Approvals	-	IEC/UL/CSA/EN62368-1, 60950-1, CE Mark			
Weight (Typ)	g	200			
Size (WxHxD)	mm	61 x 12.7 x 116.8			
Warranty	yr	2			

**Notes:** See Installation Manual for full details, test methods of parameters and application notes.

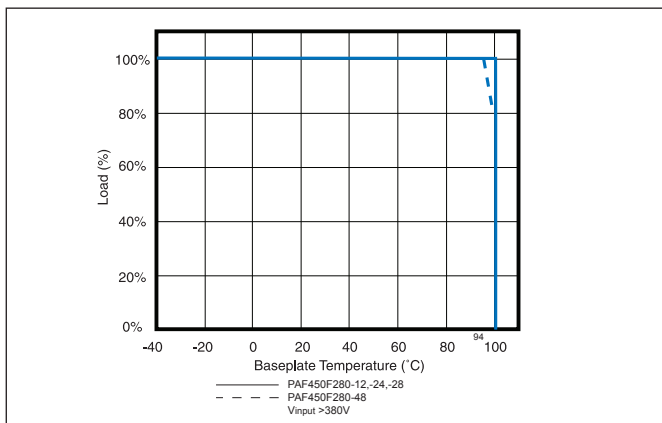
Pinout	
Pin Description	Function
-Vin	Negative Input Terminal
+Vin	Positive Input Terminal
CNT	Remote On/Off Negative Terminal
+V	Positive Output Terminal
-V	Negative Output Terminal
AUX	10-14V Aux Voltage
PC	Parallel Control Connection
TRIM	Output Adjustment Trim Pin
+S	Positive Remote Sense
-S	Negative Remote Sense
SG	Remote ON/OFF Return

Options	
Suffix	Description
Blank	M3 tapped mounting inserts (4)
/T	3.3mm non-threaded inserts (4)

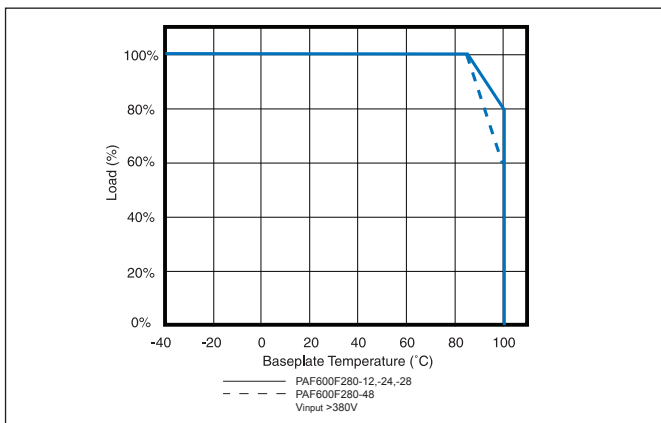
Outline Drawing PAF450F280



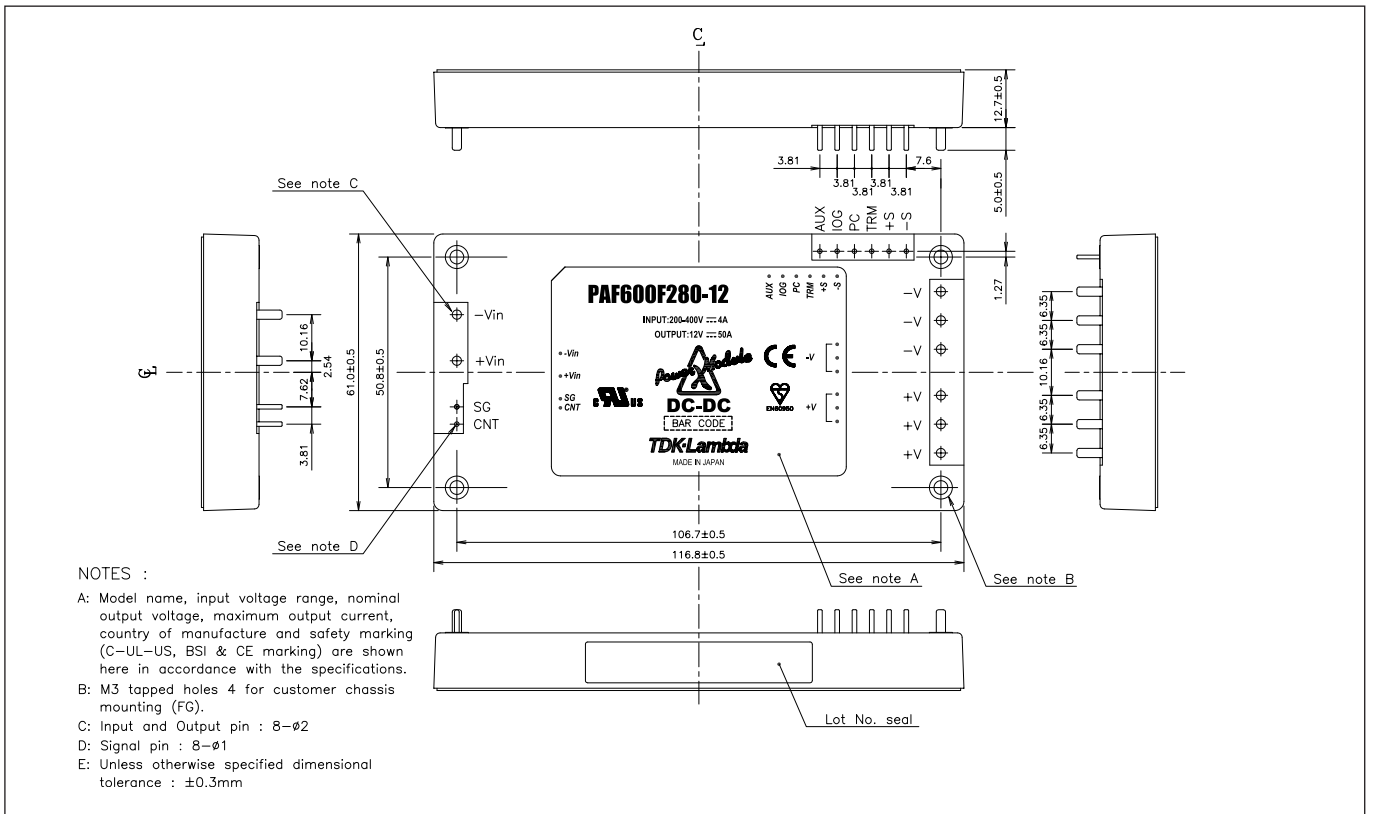
Derating Curve PAF450F280



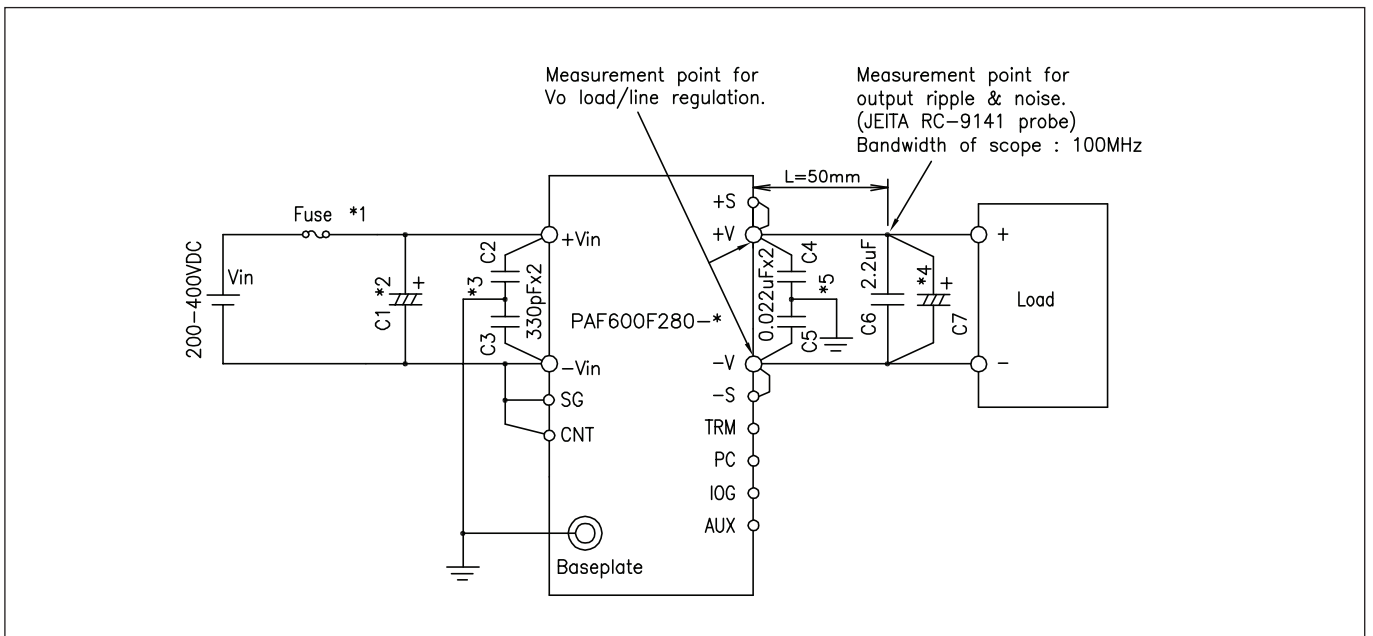
Derating Curve PAF600F280



## Outline Drawing PAF600F280



## Connection Example





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