



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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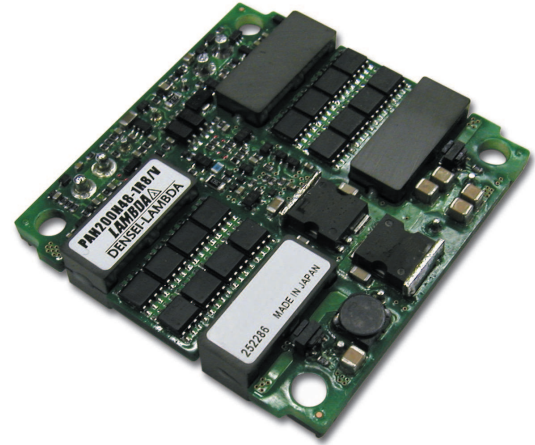
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



High Current Half Brick DC-DC Converters

Features

- ◆ Industry Standard Package
- ◆ Low voltage outputs to 0.96V
- ◆ Output Currents up to 70A
- ◆ Designed for telecom standards
- ◆ Output voltage adjustment
- ◆ Remote On / Off
- ◆ High Efficiency
- ◆ Wide adjustment range
- ◆ ASIC Design
- ◆ No potting materials



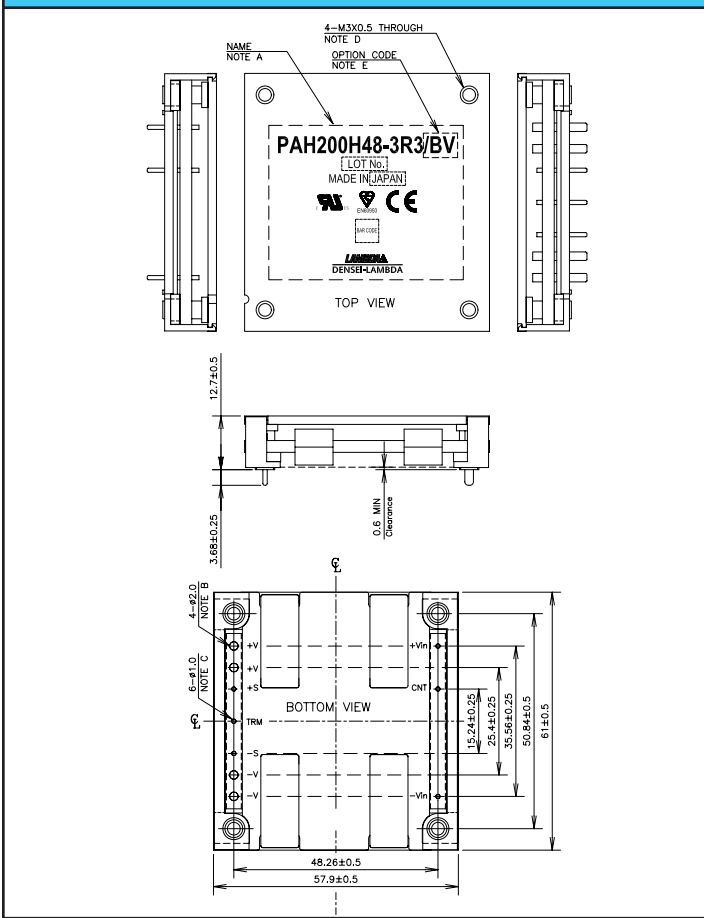
Key Market Segments & Applications



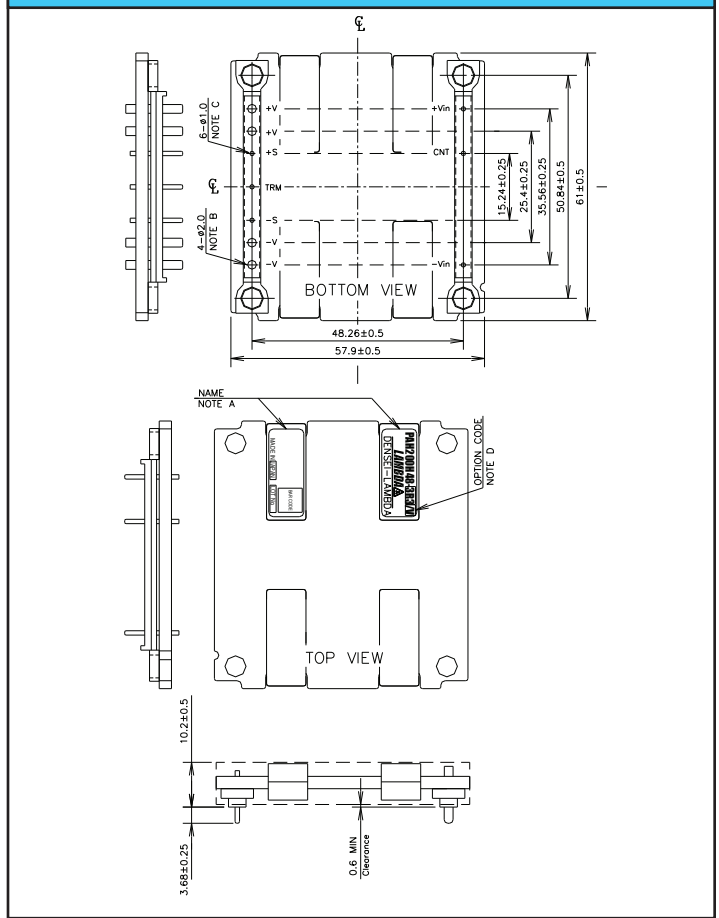
Specifications		PAH200H48-1R2	PAH200H48-1R5	PAH200H48-1R8	PAH200H48-2R5	PAH200H48-3R3
Model		(/C version)	(/C version)	(/C version)	(/C version)	(/C version)
Nominal Output Voltage	VDC	1.2	1.5	1.8	2.5	3.3
Output Current (Max)	A	70 (60)	70 (60)	70 (60)	70 (60)	60 (50)
Max Output Power	W	84(72)	105(90)	126 (108)	175 (150)	198 (165)
Efficiency (Typ)	%	82	84	87	88	90
Input Voltage range	VDC	36 - 76V (100V for 100ms)				
Input Current (typ)	A	2.18 (1.87)	2.66 (2.28)	3.08 (2.64)	4.23 (3.63)	4.68 (3.90)
Output Voltage Accuracy	%	±1				
Output Voltage Adjustment	V	0.96-1.32	1.2-1.65	1.44 - 1.98	2.0 - 2.75	2.805 - 3.795
Max Ripple & Noise	mV	100				
Max Line Regulation	mV	10				
Max Load Regulation	mV	10				
Overcurrent Protection	-	105 - 140% (See Options)				
Overvoltage Protection	-	120 - 140% (See Options)				
Remote Sense	-	Yes				
Remote On / Off	-	Yes (See options)				
Operating Temperature	-	-40°C to +85°C (100°C /B option) Baseplate temperature				
Operating Humidity	-	5 - 95% Non condensing				
Storage Temperature	-	-40°C to +100°C				
Cooling	-	Convection, or forced air				
I/O Isolation Voltage	-	Input to Output 1500VAC Output to Case 500VAC				
Vibration (non operating)	-	10~55Hz (1 minute), amplitude 0.825mm (49m/s ² max), X, Y, Z 1 hr ea.				
Shock	-	196.1 m/s ²				
Safety Agency Approvals	-	UL1950, CSA950, EN60950, & CE				
Weight (Typ)	g	90				
Size (WxHxD)	in(mm)	2.28 x 0.4* x 2.4 (57.9 x 10.2* x 61); * /B version 0.5 (12.7)				
Warranty	yrs	Two Years				

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

Outline Drawing



Outline Drawing



Options

Suffix	OCP / OVP	Remote On / Off
Blank	Manual Reset	Negative, Short = On
/V*	Auto Reset	Negative, Short = On
/P	Manual Reset	Positive, Open = On
/PV*	Auto Reset	Positive, Open = On
/C**	Single set of O/P pins	
/B	Baseplate Fitted	

Note Suffix letter order: /C followed by /P followed by /V
Example: /CPV.

* Standard US Stock Item.

** See website for outline drawing—not available with /B option.

Pinout

Pin Description	Function
-Vin	Negative Input Terminal
+Vin	Positive Input Terminal
CNT	On / Off Control terminal
+V	Positive Output Terminal
-V	Negative Output Terminal
TRIM	Output adjustment Trim pin
+S	Positive Remote sense
-S	Negative Remote sense

Other DC-DC Products

PAF	500, 600, & 700W Full brick DC-DC
PAH	50W to 350W Half brick DC-DC
PAQ	Up to 100W Quarter brick DC-DC
SX	20W surface mount 24V & 48VDC-DC
X	10, 15, 20W 24V & 48VDC Input DC-DC converters

For Additional Information, please visit
us.tdk-lambda.com/lp/products/pah200h-series.htm

