



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!



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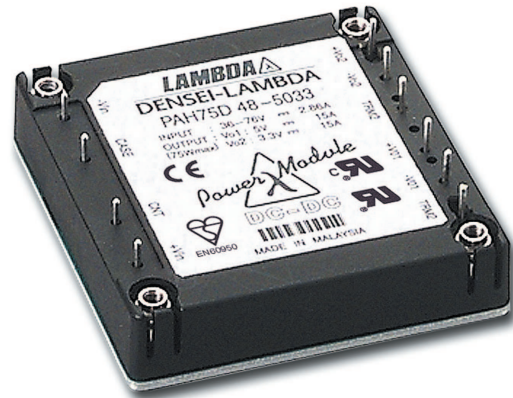
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Dual Output Half-Brick DC-DC Converters

Features

- ◆ Industry Standard Footprint & Pinouts
- ◆ Telecom Approvals & Compliance
- ◆ Zero Pre-load Current
- ◆ 24 or 48VDC input
- ◆ Level B EMI with External Filtering
- ◆ Remote On / Off
- ◆ ASIC Design
- ◆ No-preload requirements
- ◆ No potting materials used



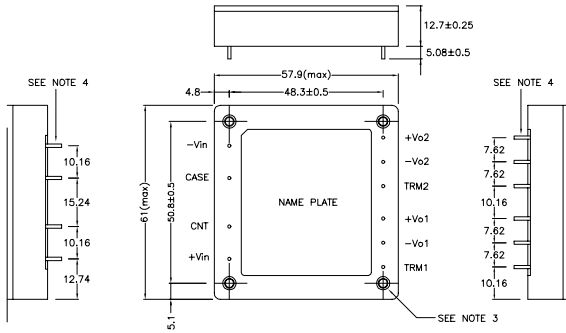
Key Market Segments & Applications



Specifications										
Model		2518		3318		3325		5033		
		Vo1	Vo2	Vo1	Vo2	Vo1	Vo2	Vo1	Vo2	
Nominal Output Voltage	V	2.5	1.8	3.3	1.8	3.3	2.5	5.0	3.3	
Output Current (Max)	A	15	15	15	15	15	15	15	15	
Total Output Power (Max)	W	45		50		60		75		
Efficiency (Typ at 48VDC input)	%	74		78		78		82		
Input Voltage Range	-	36 ~ 76VDC				18 ~ 36VDC or 36 ~ 76VDC				
Input Current (Typ) 24/48Vnom	A	-1.06		-1.33		2.71/1.33		3.91/1.91		
Output Voltage Accuracy	%	±2								
Output Voltage Adjustment	V	2.5 ~ 2.75	1.8 ~ 1.98	2.97 ~ 3.63	1.8 ~ 1.98	2.97 ~ 3.63	2.25 ~ 2.75	4.5 ~ 5.5	2.97 ~ 3.63	
Max Ripple & Noise	mV	75	75	100	75	100	75	100	100	
Max Line Regulation	mV	±6.6	±6.6	±6.6	±6.6	±6.6	±6.6	±10	±6.6	
Max Load Regulation	mV	±16.5	±16.5	±16.5	±16.5	±16.5	±16.5	±25	±16.5	
Over Current Protection (1)	%	105-165	105-165	105-165	105-165	105-165	105-165	105-165	105-165	
	A	Vo2@0A	Vo1@5A	Vo2@0A	Vo1@5A	Vo2@0A	Vo1@5A	Vo2@0A	Vo1@5A	
Over Voltage Protection	%	115-140	115-150	115-140	115-150	115-140	115-140	125-145	115-140	
Operating Temperature	-	-40°C ~ +100°C (Baseplate)								
Cooling	-	Conduction cooled								
Isolation Voltage	-	Input-Output : 1.5kVDC, Input-Baseplate:1.5kVDC (20mA) for 1 min Output-Baseplate: 500VDC for 1 min								
Shock	m/s ²	196.1								
Safety Agency Approvals	-	UL60950-1, CSA60950-1, EN60950-1, CE Marking (48V input only)								
Weight (Typ.)	g	80								
Vibration	-	Non Operating, 10-55Hz (Sweep for 1min.)								
	-	Amplitude 0.825mm Constant (Maximum 49.0m/s ²) X, Y, Z 1 hour each								
Size (W×H×D)	mm	57.9 x 12.7 x 61 (Refer to outline drawing)								

(1) Other channel at output current specified.

Dual Output Outline Drawing



M3 tapped holes (4) for customer chassis mounting.

All of the terminals: 10-Ø1.0 mm

PAH Series Dual Output

PIN#	Description	Function
1	-Vin	Negative Input Terminal
2	CASE	Baseplate Terminal
3	CNT	ON/OFF Control Terminal
4	+Vin	Positive Input Terminal
5	+VO2	VO2 Positive Output Terminal
6	-VO2	VO2 Negative Output Terminal
7	TRM2	VO2 Output Adjust. Terminal
8	+VO1	VO1 Positive Output Terminal
9	-VO1	VO1 Negative Output Terminal
10	TRM1	VO1 Output Adjust. Terminal

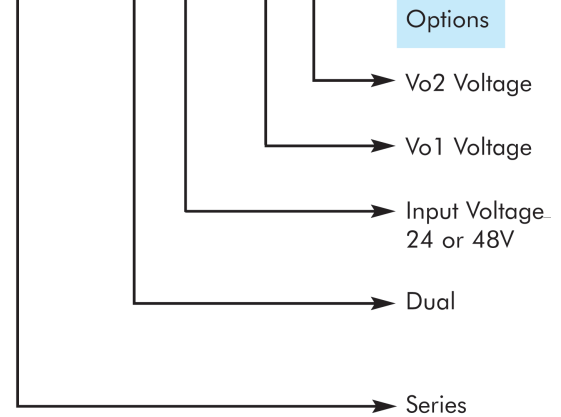
Options

Suffix	ON/OFF Control	OVP
-	Negative	Manual Reset
/P	Positive	Manual Reset
/V*	Negative	Auto Restart
/PV	Positive	Auto Restart

* standard US stock item

PAH Series Model Number Example

PAH 75 D 48 - 3318 / PV



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

