

35.5V (typ.) 33.5V (typ.)

15ms (typ.)

15ms (typ.)

ENVIRONMENTAL SPECIFICATIONS

Thermal performance	Operating ambient. temperature	-40°C to +85°C
	Non-operating	-55°C to +125°C

PROTECTION	
Short-circuit	Continuous
Over-voltage	Non-latching
Thermal	125°C hot spot temperature with

automatic recovery

International Safety Standard Approvals

Undervoltage lockout

Start-up time

(See Note 2)



UL/cUL CAN/CSA 22.2 No. 60950-00 : UL 60950 File No. E135734 VDE Certificate No. 40005017 CB Report and Certificate to IEC60950, Certificate No. DE1-19783

Power up

Power down Power up

Remote ON/OFF



typhoon Eighth-Brick Series ARTES



Single output

DC/DC CONVERTERS High Current, High Efficiency, Low Profile

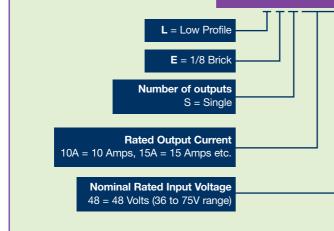
For the most current data and application support visit www.artesyn.com/powergroup/products.htm

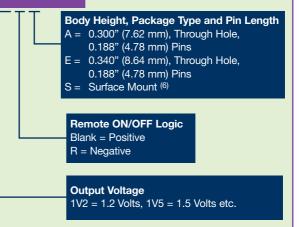
NEW Product

	CURRENT RIPPLE	INPUT	OUTPUT CURRENT ⁽⁵⁾ (MAX.)	EFFICIENCY (TYP.)	REGULATION					
OUTPUT VOLTAGE		RIPPLE CURRENT ⁽⁵⁾			SET POINT ACCURACY MAX	LINE	LOAD	RIPPLE & NOISE (pk - pk)	MODEL NUMBER	
EIGHTH-BRICK SINGLE OUTPUT VALUE MODELS										
1.2V	0.98A	100mA	25A	88.0%	±1.5%	±0.1%	±0.2%	60mV	LES25A48-1V2	
1.5V	1.21A	100mA	25A	89.5%	±1.5%	±0.1%	±0.2%	60mV	LES25A48-1V5	
1.8V	1.43A	100mA	25A	90.5%	±1.5%	±0.1%	±0.2%	60mV	LES25A48-1V8	
2.5V	1.62A	150mA	20A	90.0%	±1.5%	±0.1%	±0.2%	60mV	LES20A48-2V5	
3.3V	2.11A	150mA	20A	91.0%	±1.5%	±0.1%	±0.2%	60mV	LES20A48-3V3	
5.0V	1.59A	100mA	10A	92.0%	±1.5%	±0.1%	±0.2%	60mV	LES10A48-5V0	
EIGHTH-BRICK SINGLE OUTPUT PERFORMANCE MODELS										
1.2V	1.98A	150mA	50A	86.0%	±1.5%	±0.1%	±0.2%	60mV	LES50A48-1V2	
1.5V	1.91A	150mA	40A	88.5%	±1.5%	±0.1%	±0.2%	60mV	LES40A48-1V5	
1.8V	2.30A	150mA	40A	90.0%	±1.5%	±0.1%	±0.2%	60mV	LES40A48-1V8	
2.5V	1.99A	200mA	25A	89.5%	±1.5%	±0.1%	±0.2%	60mV	LES25A48-2V5	
3.3V	2.65A	200mA	25A	90.5%	±1.5%	±0.1%	±0.2%	60mV	LES25A48-3V3	
5.0V	2.30A	150mA	15A	90.5%	±1.5%	±0.1%	±0.2%	60mV	LES15A48-5V0	
EIGHTH-BRICK SINGLE OUTPUT ULTRA MODELS										
2.5V	3.20A	150mA	40A	91.0%	±1.5%	±0.1%	±0.2%	60mV	LES40A48-2V5	
3.3V	3.20A	150mA	30A	90.5%	±1.5%	±0.1%	±0.2%	60mV	LES30A48-3V3	
5.0V	3.20A	150mA	20A	92.0%	±1.5%	±0.1%	±0.2%	60mV	LES20A48-5V0	

Part Number System with Options

LES50A48-1V2RA

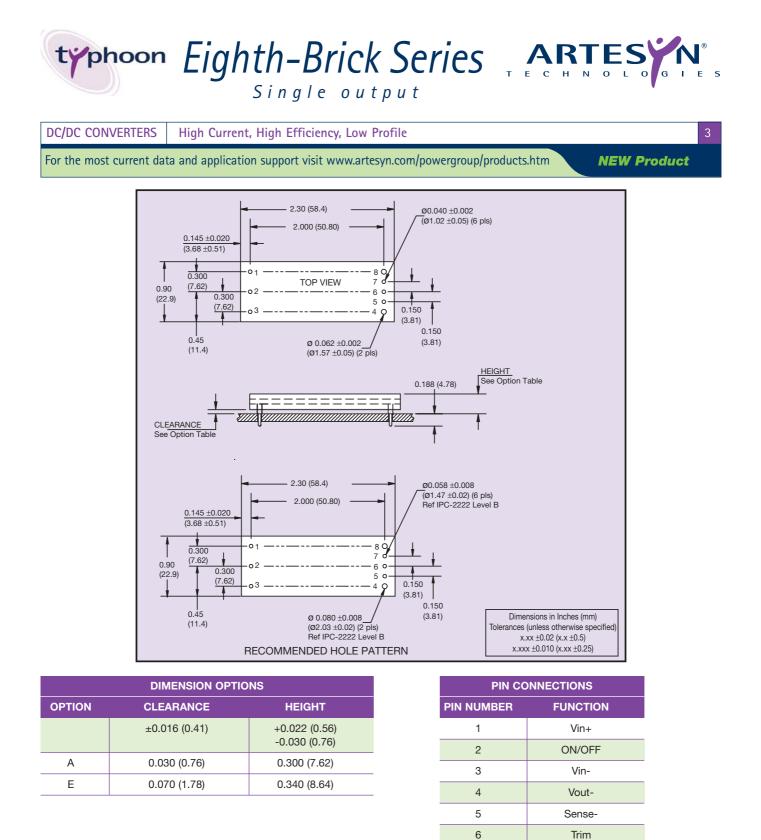




Notes

- di/dt = 1A/µs, Vin = 48VDC, Tc = 25°C, load change = 50% to 75% lo 1 max. and 75% to 50% lo max. Deviation varies by model. For further details see long form data sheets. Start-up into resistive load. 2
- This product is only for inclusion by professional installers within other 3 equipment and must not be operated as a stand alone product.
- Recommended input fusing is up to 10A HRC 200V rated fuse. 4
- Peak to peak measured with no external Pi filter. Significant reduction possible with external filter. See Application Note 138 for further details. 5
- 6 Please consult factory to check availability.

CAUTION: Hazardous internal voltages and high temperatures. Ensure that unit is not user accessible.



Data Sheet © Artesyn Technologies® 2004

The information and specifications contained in this data sheet are believed to be correct at time of publication. However, Artesyn Technologies accepts no responsibility for consequences arising from printing errors or inaccuracies. The information and specifications contained or described herein are subject to change in any manner at any time without notice. No rights under any patent accompany the sale of any such product(s) or information contained herein.

7

8

Please consult our website for the following items: V Application Note V Longform Data Sheets

Sense+

Vout+