

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

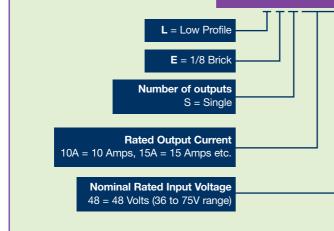
For the most current data and application support visit www.artesyn.com/powergroup/products.htm

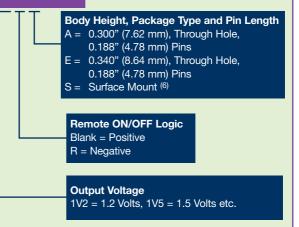
**NEW Product** 

	CURRENT RIPPLE	INPUT	OUTPUT CURRENT <sup>(5)</sup> (MAX.)	EFFICIENCY (TYP.)	REGULATION					
OUTPUT VOLTAGE		RIPPLE CURRENT <sup>(5)</sup>			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**

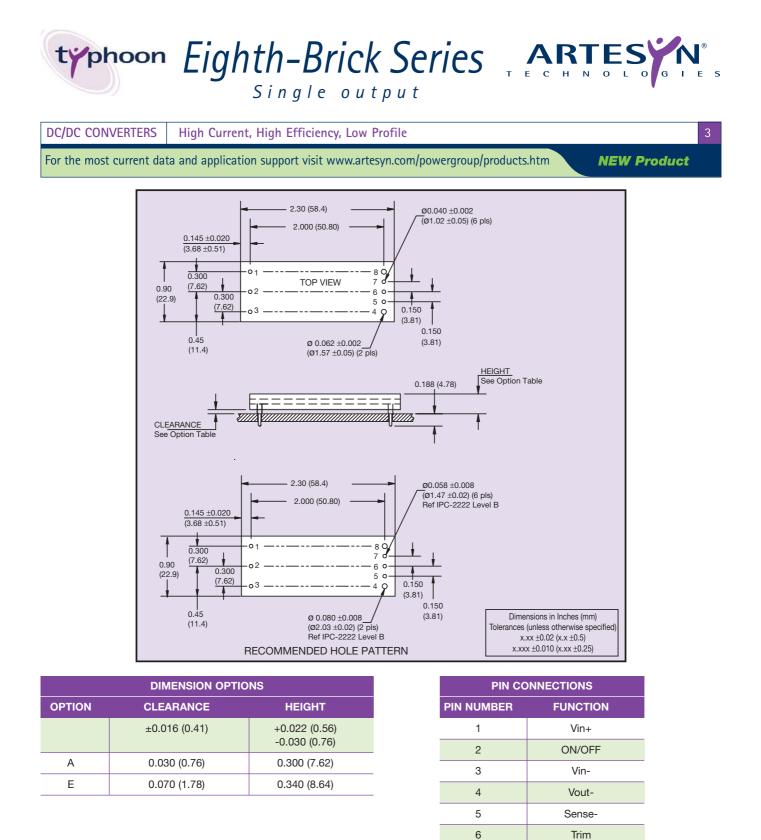




#### Notes

- 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.



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

Sense+

Vout+