

Excellent Integrated System Limited

Stocking Distributor

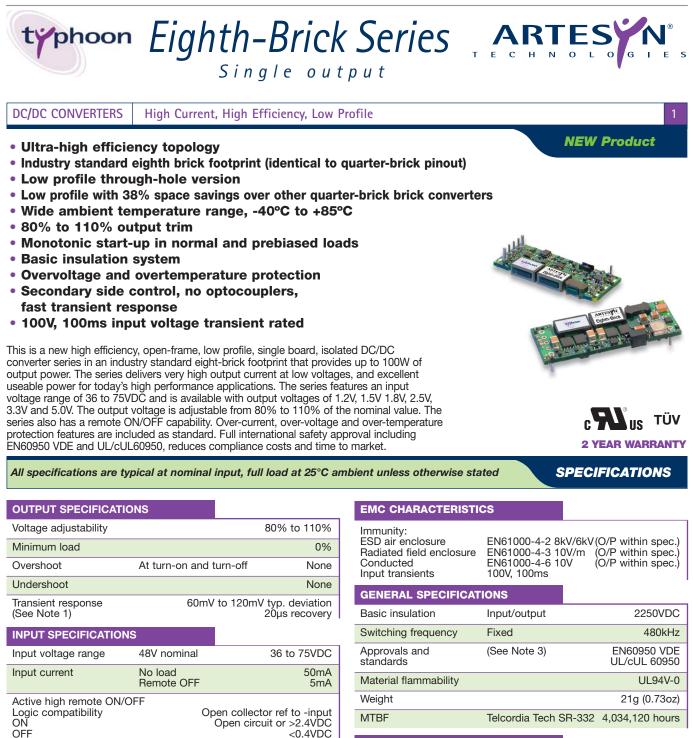
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Artesyn Embedded Technologies LES25A48-1V2RE

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>



Distributor of Artesyn Embedded Technologies: Excellent Integrated System Limited Datasheet of LES25A48-1V2RE - CONV DC/DC 48V 25A 1.2VOUT 100W Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



 35.5V (typ.)
 ENVIRONMENTAL SPECIFICATIONS

 33.5V (typ.)
 Thermal performance
 Operating ambient.

15ms (typ.) 15ms (typ.) t. -40°C to +85°C

-55°C to +125°C

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

temperature

Non-operating

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



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typhoon Eighth-Brick Series ART 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

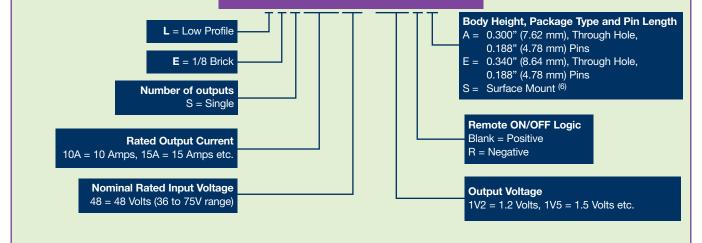
NEW Product

2

INPUT INPUT OUTPUT REGULATION									
OUTPUT VOLTAGE	CURRENT (MAX.) ⁽⁴⁾	RIPPLE CURRENT ⁽⁵⁾	CURRENT (MAX.)	EFFICIENCY (TYP.)	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 = $1A/\mu$ s, 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.
- This product is only for inclusion by professional installers within other 3 equipment and must not be operated as a stand alone product.
- 4 Recommended input fusing is up to 10A HRC 200V rated fuse.
- Peak to peak measured with no external Pi filter. Significant reduction 5
- possible with external filter. See Application Note 138 for further details.

Please consult factory to check availability. 6

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



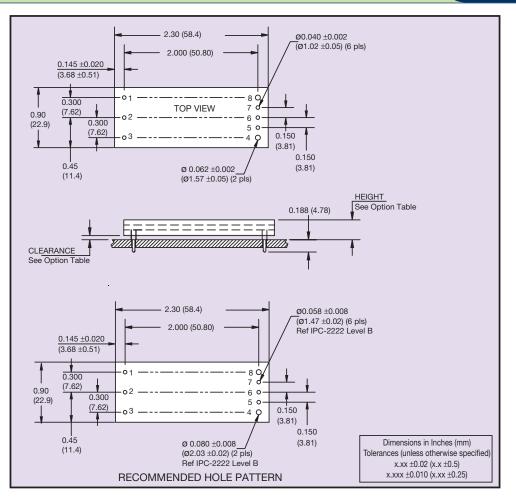
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NEW Product



DIMENSION OPTIONS				
OPTION	CLEARANCE	HEIGHT		
	±0.016 (0.41)	+0.022 (0.56) -0.030 (0.76)		
А	0.030 (0.76)	0.300 (7.62)		
E	0.070 (1.78)	0.340 (8.64)		

PIN CONNECTIONS				
PIN NUMBER	FUNCTION			
1	Vin+			
2	ON/OFF			
3	Vin-			
4	Vout-			
5	Sense-			
6	Trim			
7	Sense+			
8	Vout+			

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