



## DOSA Standard Specification

**Product name: Second Generation Eighth Brick DC/DC Converter with Digital Connections**

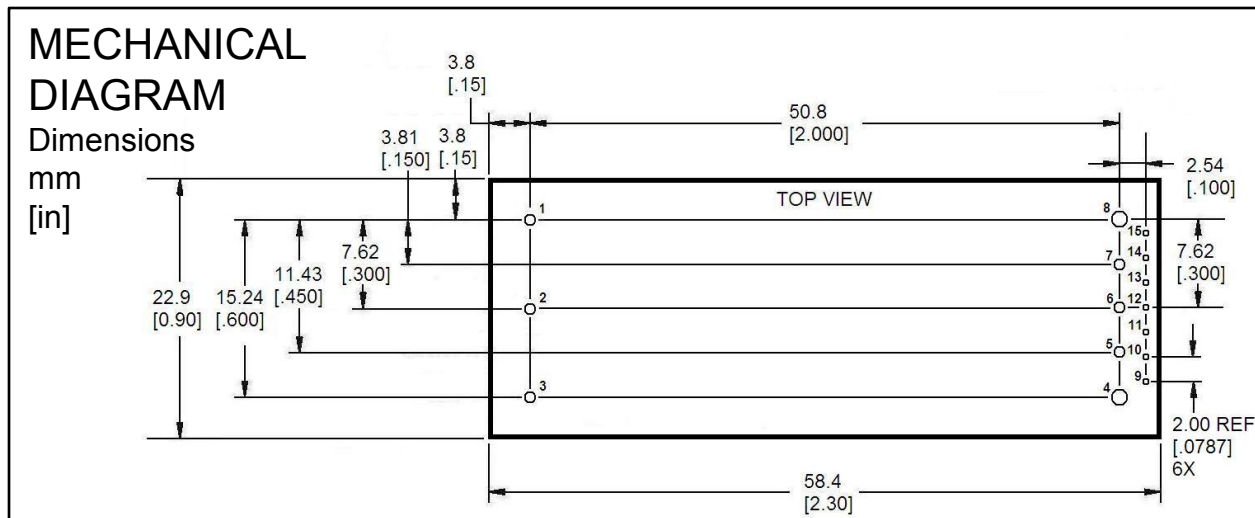
**Last Updated: 6/10/2010**

### General Specifications

Parameter	Specification	Notes
Output Current Range	Up to 50A	Applies to all Eighth Bricks (Un-regulated, semi-regulated, fully-regulated)

### Mechanical Specifications

DOSA eighth brick converters will be offered in through-hole configurations only.



#### Pin Dimensions:

Through Hole: Pins 4 and 8 are 1.57mm [0.062"] diameter, pins 1-3, 5-7 are 1.02mm [0.040"] diameter, and pins 9-15 are 0.50mm [0.020] square.

#### Pin Designations:

Pin	Function	Pin	Function
1	Vin (+)	9	C2
2	On/Off	10	Sig_Gnd
3	Vin (-)	11	Data
4	Vout (+)	12	SMBAlert
5	<i>Sense (-)</i>	13	Clock
6	<i>Trim/C1</i>	14	Addr1
7	<i>Sense (+)</i>	15	Addr0
8	Vout (+)		

Note: The presence of pins 5-7, in *Gray Italics*, is dependent on the output voltage regulation of the converter. Pins designated C1 and C2 are supplier/user configurable via digital interface or factory firmware loads.