



Industrial



Test

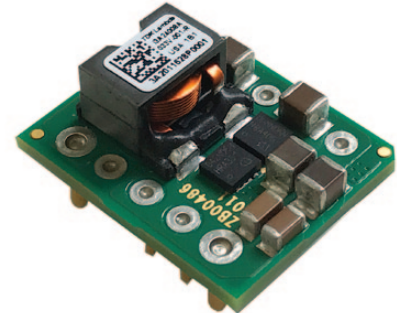


Comm



Broadcast

## 100W, 9 to 53V Input Non-isolated DC-DC Converters



Features	Benefits
• 100W 4.5 or 8A Output	
• 1/32th brick Footprint	
• Wide Output Adjustment 3.3 to 16.5V or 5 to 30V	
• Minimal External Components Needed	

Specification		
Model		
		<b>i3AW008A033V</b> <b>i3A4W005A150V</b>
DC Output Voltage (1)	V	3.3 - 16.5                      5 - 30
DC Input Voltage	V	9 - 53 (Turn on at 10V or greater)
Efficiency (Typical)	%	89 - 96.5                      95.5 - 98
Output Voltage Tolerance	%	±4
Switching Frequency	kHz	450                      400
Line Regulation	%	0.3%                      0.2%
Load Regulation	%	0.7%                      0.5%
External Load Capacitance	uF	0 - 1200
Output Ripple and Noise	mVpp	20                      40
Overcurrent Protection (Typ)	A	14                      9
Remote On / Off	-	Negative Logic (For Positive Logic Contact Factory)
Remote Sense	-	(+) Sense, compensating up to 5% of output voltage
Power Good	-	Optional, contact factory for status
Operating Temperature	°C	-40°C to 125°C (see thermal data on website)
Storage Temperature	°C	-55°C to 125°C
Safety Agency Certifications	-	UL/EN60950, CE Mark
Weight	g	8
Size (LxWxH)	mm	19.1 x 23.4 x 9.6
Warranty	yrs	3

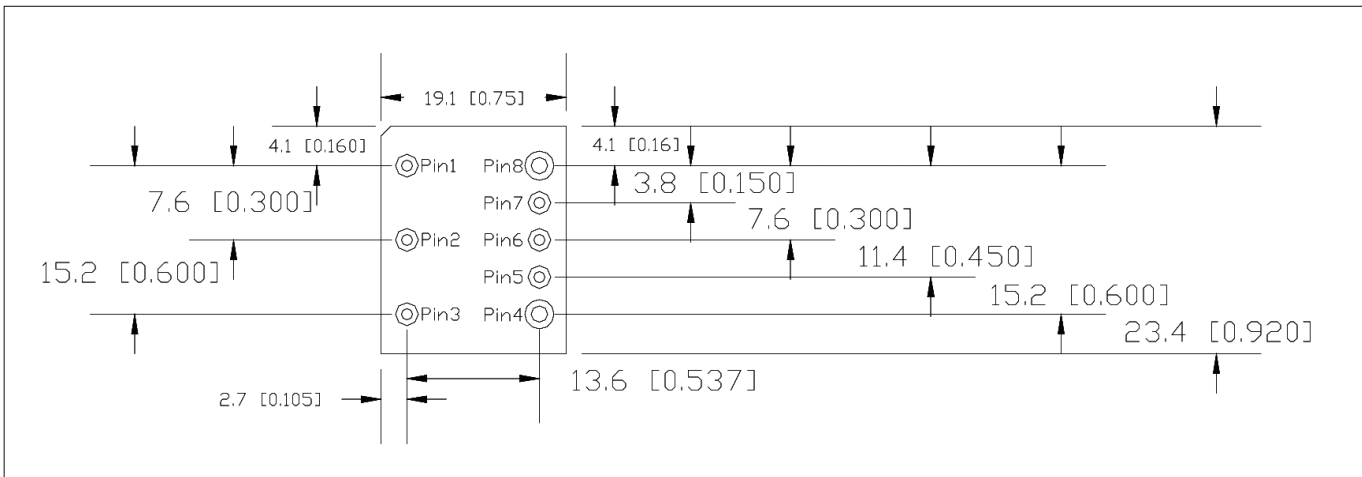
**Note:** (1) Output voltage cannot exceed input voltage (see graph on page 2)

## Model Selector

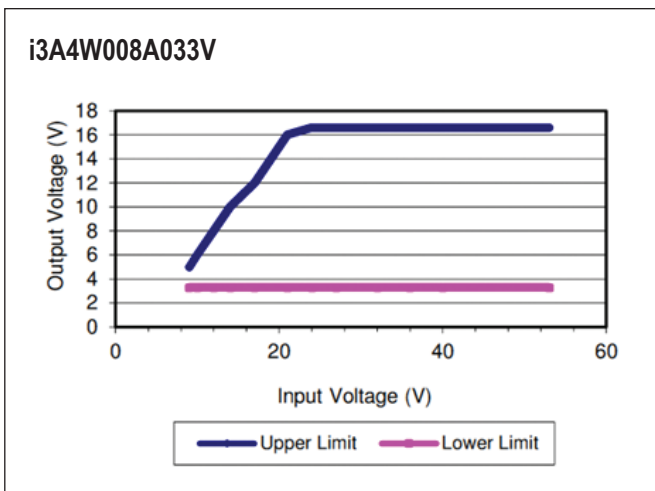
Model	Input Voltage (V)	Output Current (A)	Output Voltage (V) <sup>(1)</sup>	Positive Logic On/Off	Negative Logic On/Off
i3A4W008A033V-001-R	9 - 53	8	3.3 - 16.5	-	Yes
i3A4W005A150V-001-R	9 - 53	4.5	5 - 30	-	Yes

Note: (1) Output voltage cannot exceed input voltage (see graph below)

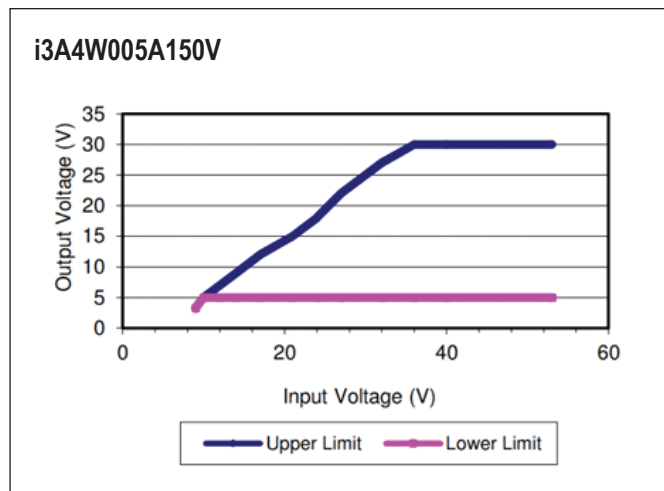
## Outline Drawing i3AW



## Output Voltage vs Input Voltage Operating Range



## Output Voltage vs Input Voltage Operating Range



## Pin Assignment

PIN	Function	PIN	Function
1	VIN (+)	5	PWR GOOD (Option)
2	ON / OFF	6	TRIM
3	VIN (-)	7	SENSE (+)
4	VOUT (-)	8	VOUT (+)



## TDK-Lambda France SAS

3 Avenue du Canada  
Parc Technopolis  
Bâtiment Sigma  
91940 les Ulis  
France  
Tel: +33 1 60 12 71 65  
Fax: +33 1 60 12 71 66  
france@fr.tdk-lambda.com  
www.fr.tdk-lambda.com



## Italy Sales Office

Via dei Lavoratori 128/130  
20092 Cinisello Balsamo (MI)  
Italy  
Tel: +39 02 61 29 38 63  
Fax: +39 02 61 29 09 00  
info.italia@it.tdk-lambda.com  
www.it.tdk-lambda.com



## Netherlands

info@nl.tdk-lambda.com  
www.nl.tdk-lambda.com



## TDK-Lambda Germany GmbH

Karl-Bold-Strasse 40  
77855 Achern  
Germany  
Tel: +49 7841 666 0  
Fax: +49 7841 5000  
info.germany@de.tdk-lambda.com  
www.de.tdk-lambda.com



## Austria Sales Office

Aredstrasse 22  
2544 Leobersdorf  
Austria  
Tel: +43 2256 655 84  
Fax: +43 2256 645 12  
info@at.tdk-lambda.com  
www.de.tdk-lambda.com



## Switzerland Sales Office

Bahnhofstrasse 50  
8305 Dietlikon  
Switzerland  
Tel: +41 44 850 53 53  
Fax: +41 44 850 53 50  
info@ch.tdk-lambda.com  
www.de.tdk-lambda.com



## Nordic Sales Office

Haderslevvej 36B  
DK-6000 Kolding  
Denmark  
Tel: +45 2911 9556  
info@dk.tdk-lambda.com



## TDK-Lambda UK Ltd.

Kingsley Avenue  
Ilfracombe  
Devon EX34 8ES  
United Kingdom  
Tel: +44 (0) 12 71 85 66 66  
Fax: +44 (0) 12 71 86 48 94  
powersolutions@uk.tdk-lambda.com  
www.uk.tdk-lambda.com



## TDK-Lambda Ltd.

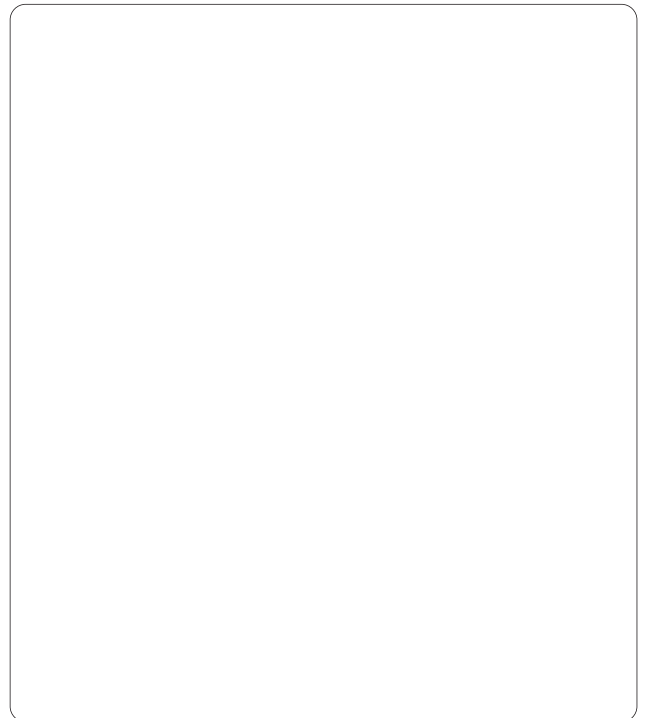
Kibbutz  
Givat Hashlosha 48800  
Israel  
Tel: +9 723 902 4333  
Fax: +9 723 902 4777  
info@tdk-lambda.co.il  
www.tdk-lambda.co.il



## C.I.S.

**Commercial Support:**  
Tel: +7 (495) 665 2627  
**Technical Support:**  
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