



Industrial



Test

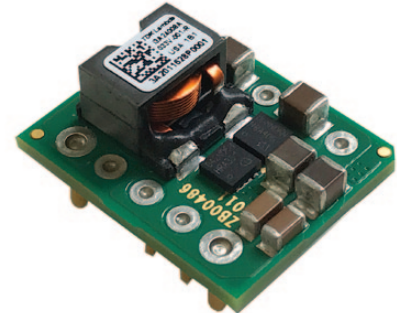


Comm



Broadcast

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



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

Specification		
Model		
		i3AW008A033V
		i3A4W005A150V
DC Output Voltage (1)	V	3.3 - 16.5
DC Input Voltage	V	9 - 53 (Turn on at 10V or greater)
Efficiency (Typical)	%	89 - 96.5
Output Voltage Tolerance	%	±4
Switching Frequency	kHz	450
Line Regulation	%	0.3%
Load Regulation	%	0.7%
External Load Capacitance	uF	0 - 1200
Output Ripple and Noise	mVpp	20
Overcurrent Protection (Typ)	A	14
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

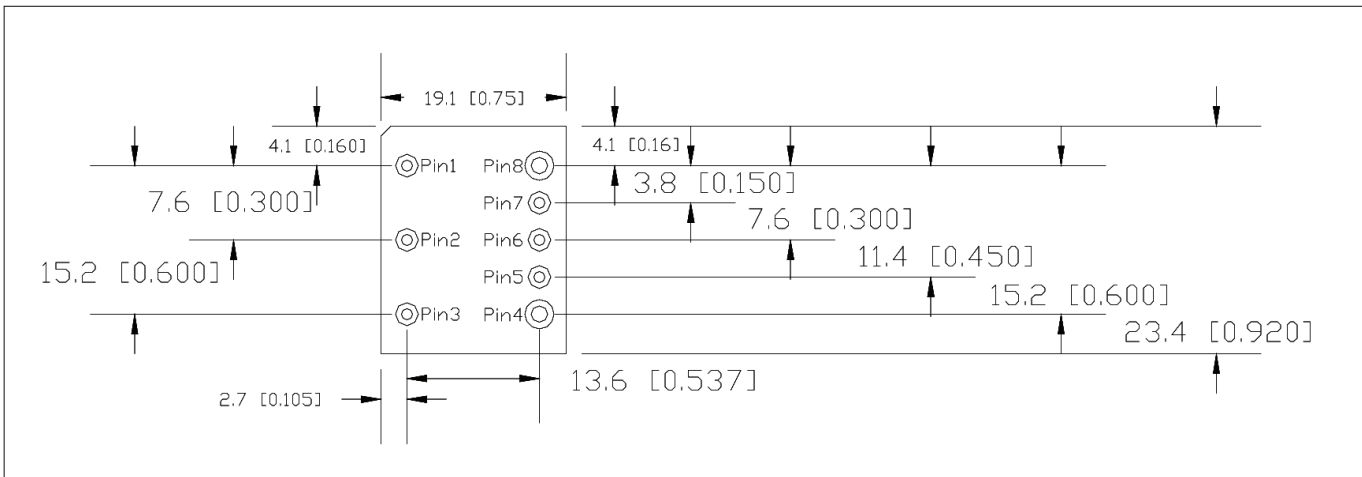
**Note:** (1) Output voltage cannot exceed input voltage (see graph on page 2)

## Model Selector

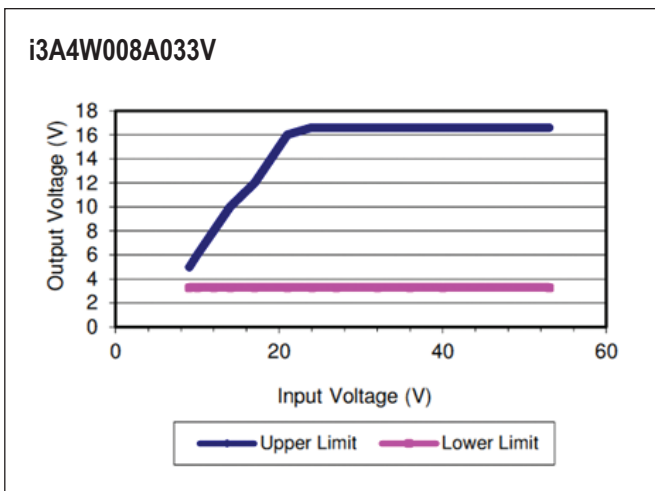
Model	Input Voltage (V)	Output Current (A)	Output Voltage (V) (1)	Positive Logic On/Off	Negative Logic On/Off
i3A4W008A033V-001-R	9 - 53	8	3.3 - 16.5	-	Yes
i3A4W005A150V-001-R	9 - 53	4.5	5 - 30	-	Yes

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

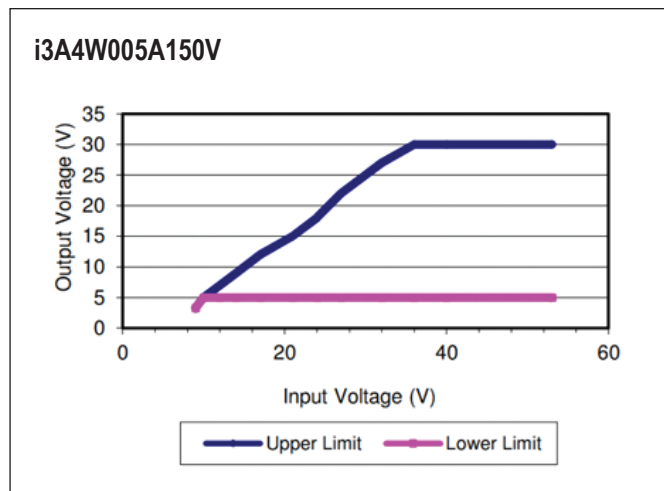
## Outline Drawing i3AW



## 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 (+)



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