



Industrial



Test

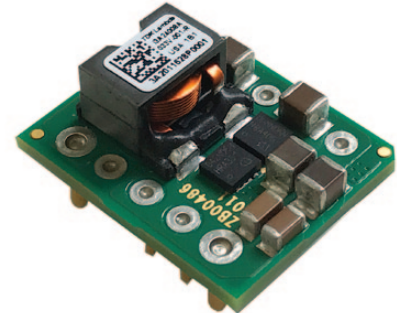


Comm



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	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	µF	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	

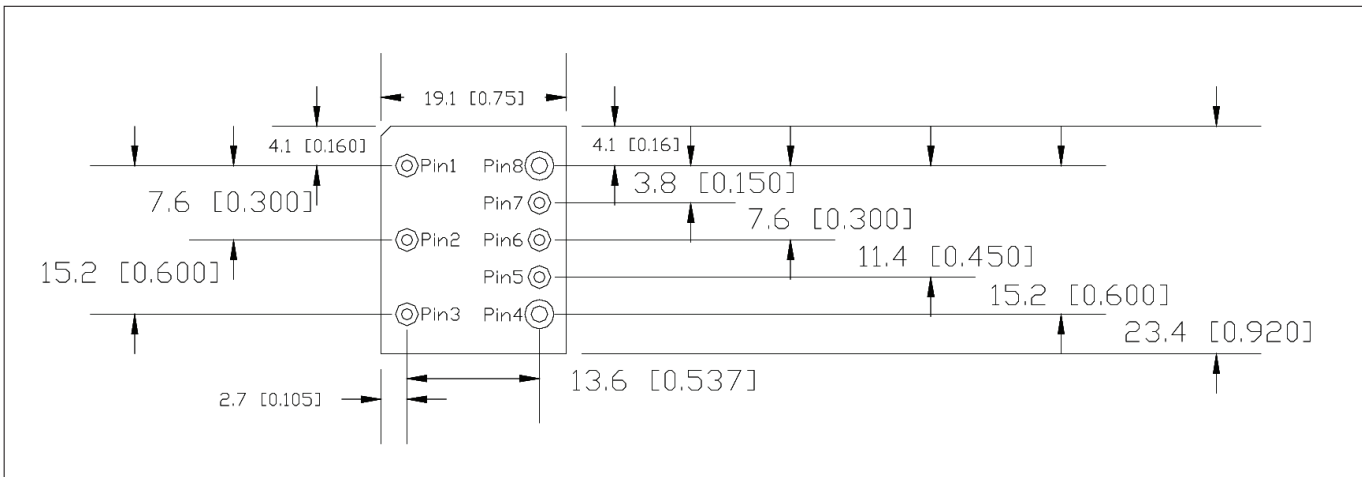
Note: (1) Output voltage cannot exceed input voltage (see graph on page 2)

Model Selector

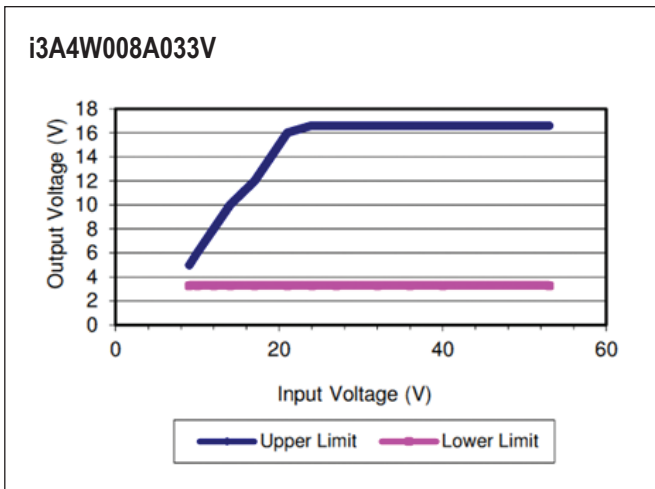
Model	Input Voltage (V)	Output Current (A)	Output Voltage (V) ⁽¹⁾	Positive Logic On/Off	Negative Logic On/Off
i3A4W008A033V-001-R	9 - 53	8	3.3 - 16.5	-	Yes
i3A4W005A150V-001-R	9 - 53	4.5	5 - 30	-	Yes

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

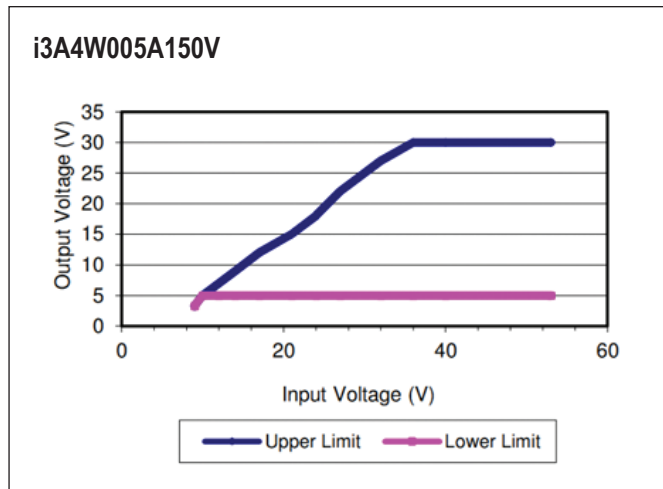
Outline Drawing i3AW



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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