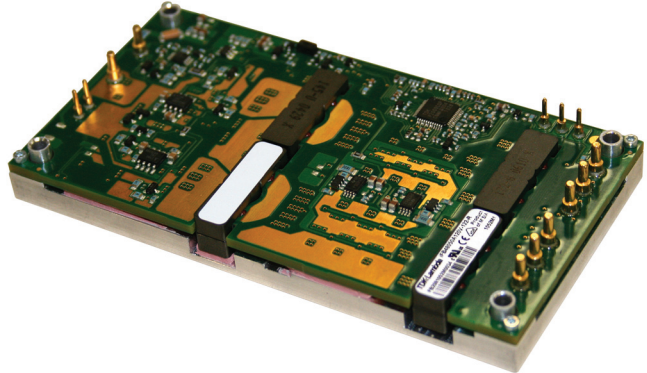


## 600W Full Brick Converters

### Features

- ◆ Standard Full Brick Footprint
- ◆ 36 - 75VDC Input
- ◆ 9.6 and 12V Nominal Outputs
- ◆ Up to 94% Efficiency
- ◆ Through Hole Mounting
- ◆ Base Plate



### Key Market Segments & Applications



Specifications		iFB	
Model		9.6V	12V
Nominal Output Voltage	VDC	9.6V	12V
Input Voltage Range	VDC	36-75	
Input Current	A	18.7A Maximum	
Efficiency (48V input)	%	93% @ 70% load	94% @ 84% load
Output Voltage Adjustment	VDC	5.76 - 10.56	7.2 - 13.2
Output Voltage Accuracy	%	±3%	
Ripple & Noise (max) pk-pk	mV	140	175
Line Regulation (typ)	mV	3	7
Load Regulation (typ)	mV	2	2
Overcurrent Protection (typ)	A	64	60
Overvoltage Protection (typ)	V	11.7	14.8
Remote On/Off	-	Yes	
Remote Sense	-	Yes	
Operating Temperature	°C	-40°C to +125°C	
Storage Temperature	°C	-55°C to +125°C	
Temperature regulation (typ)	mV	40	
Humidity (operating)	%	20-95% RH Non condensing	
Humidity (storage)	%	10-95% RH Non condensing	
Cooling	-	Conduction, convection or forced air	
Isolation Voltage	VDC	Input to baseplate, Input to Output 1500VDC; Output to base plate 500VDC	
Isolation Resistance	Ω	>15M	
Vibration	-	Bellcore TR-EOP-000063, Section 5.4.4	
Shock	-	MIL-STD-202G, Method 213B, Test Condition I	
Safety Agency Certifications	-	UL60950 (US and Canada), VDE0805, CB Scheme (IEC950), CE Mark (EN60950)	
Weight (Typ)	g	225	
Size (WxHxD)	in (mm)	4.6 x 2.4 x 0.52" (116.84 x 60.96 x 13.21)	
Warranty	yrs	3 Years	

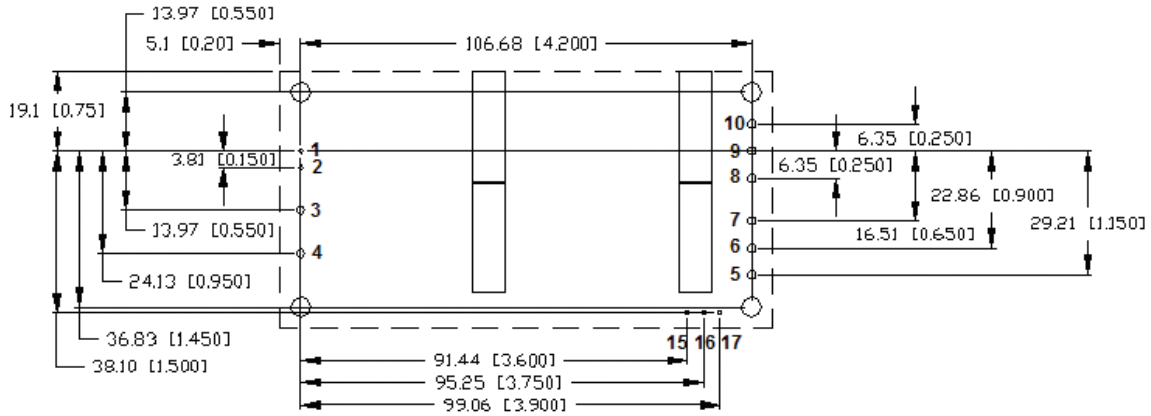
Note: See Installation Manual for full details, test methods of parameters and application notes

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## Model Selector

Model	Input Voltage (V)	Output Voltage (V)	Max. Current (A)	Max. Power (W)	OVP	Pin Length (in)
iFB48058A096V-122-R	36 - 75	9.6	58	557	Latching	0.166
iFB48050A120V-122-R	36 - 75	12	50	600	Latching	0.166

## Outline Drawing



Recommended hole pattern (top view)

## Pinout

PINOUT	Function	PIN	Function	PIN	Function
1	ON/OFF (+)	7	Vout (-)	13	not available
2	ON/OFF (-)	8	Vout (+)	14	not available
3	Vin (+)	9	Vout (+)	15	TRIM
4	Vin (-)	10	Vout (+)	16	SENSE (+)
5	Vout (-)	11	not available	17	SENSE (-)
6	Vout (-)	12	not available	18	

For additional information, please visit  
<https://product.tdk.com/en/power/>



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