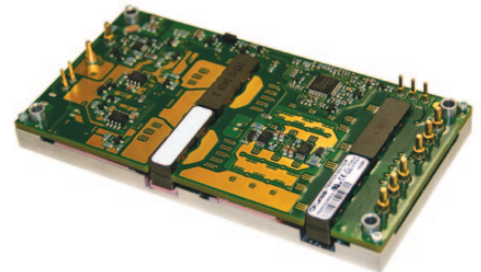




600W Full Brick DC-DC Converters

Features	Benefits
• Standard Full Brick Footprint	• Second Sourcing
• 36 - 75VDC Input	• Suitable for Telecom
• 9.6 and 12V Nominal Outputs	• For use with POL's
• Up to 94% Efficiency	• Better System Thermal Management



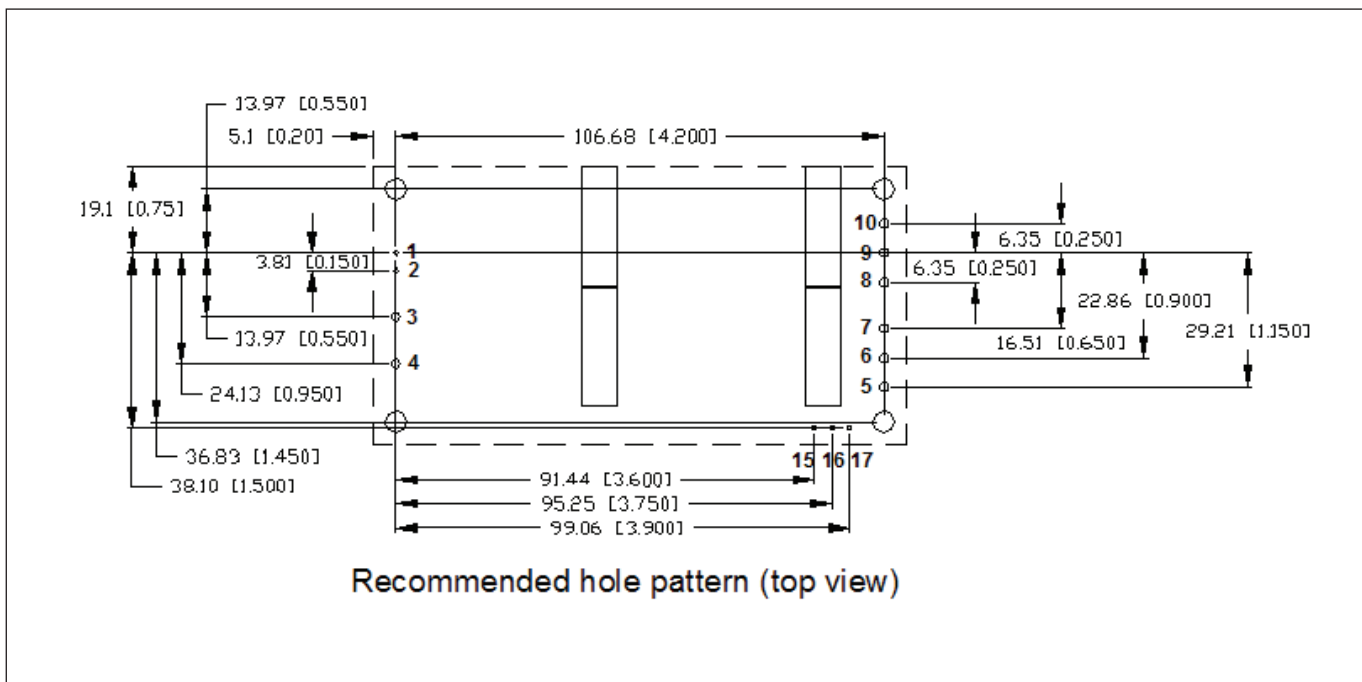
Specification		iFB	
Model		9.6V	12V
Nominal Output Voltage	VDC	9.6V	12V
Input Voltage Range	VDC	36-75	
Input Current	A	18.7A Maximum	
Efficiency (48V input)	%	93% @ 70% load	94% @ 84% load
Output Voltage Adjustment	VDC	5.76 - 10.56	7.2 - 13.2
Output Voltage Accuracy	%	±3%	
Ripple & Noise (max) pk-pk	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	>15MΩ	
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)	mm	116.84 x 60.96 x 13.21	
Warranty	yrs	3	

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

Model Selector

Input Model	Output Voltage (V)	Max. Voltage (V)	Max. Current (A)	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 iFB Series



Pinout

PIN	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		



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