

# CFB Series

100-600 WATTS - DC/DC SINGLE OUTPUT

DC-DC PCB MOUNTED CONVERTERS & POWER MODULES

## FEATURES

- Isolated Output
- 2 : 1 Input Range
- Regulated Outputs
- Five-Sided Shield Metal Case
- Continuous Short Circuit Protection
- Remote On/Off Control
- Efficiency up to 90%



## SPECIFICATIONS

INPUT		
Voltage range	24V 48V	18-36V 36-75V
Under voltage lockout	48Vin power up power down	34V 32.5V
Remote On/Off control	ON/OFF pins 2 & 4, positive logic	
Input Filter	Pi type	
Isolation	Input/Output Input/Case Output/Case	1500VDC min. 1500VDC min. 1500VDC min.
Isolation resistance	10 <sup>7</sup> ohm min	
OUTPUT		
Output voltage	See table	
Output current	See table	
Voltage accuracy	±1% max	
Transient response	25% Step Load Change	
Recover time	<500µ sec	
External trim adj. range	±10%	
Ripple and noise	2.5V – 5V 12V -15V 24-48V	40mV RMS., max. 100mV pk-pk, max 60 mV RMS., max 100 mV pk-pk, max 100 – 200 RMS., max 240 - 480 mV pk-pk, max

Temperature coefficient	±0.03%/°C
Short circuit protection	Continuous
Line regulation 1	±0.2% max.
Load regulation 2	±0.2% max.
Over voltage protection trip range	115-140%, Vo normal
Current limit	110% ~140% Nominal Output
Efficiency	See table
Switching frequency	350kHz, typ

## ENVIRONMENTAL

Operating temperature	-40°C to 100°C base plate
Storage temperature	-55°C to +105°C
Thermal shutdown	100°C, case temperature

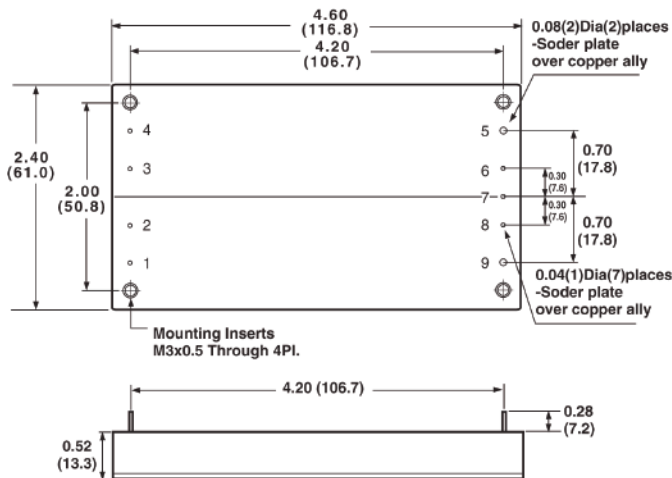
## MECHANICAL

Dimensions	116.8 x 61.0 x 13.2 mm
Weight	61.8g

## NOTE:

1. Measured From High Line to Low Line.
2. Measured From Full Load to Zero Load.
3. Logic Compatibility .... Open Collector ref, to -Input.  
Module ON .....Open Circuit  
Module OFF..... <0.8Vdc
4. Suffix "N" to the Model Number with Negative Logic Remote ON/OFF.

## MODULE OUT LINE DRAWING



## PIN CONNECTION

PIN	FUNCTION
1	+V Input
2	ON/OFF
3	nc
4	-V Input
5	-V Output
6	-Sense
7	Trim
8	+Sense
9	+Vout

CFB200

