

CFB200

S E R I E S

**100-200 WATT
FULL BRICK
DC-DC CONVERTERS**



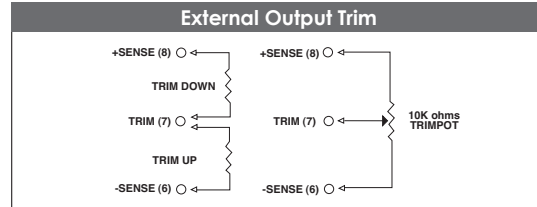
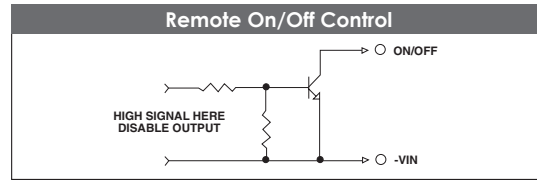
Features

- 100-200W Isolated Output
- Full Brick Package
- Regulated Outputs
- Efficiency to 90%
- 300KHz Switching Frequency
- Continuous Short Circuit Protection
- Remote On/Off Control

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF.	SIZE
				NO LOAD	FULL LOAD		
CFB200-48S25	36-75 VDC	2.5 VDC	40A	25 mA	2.8A	74	Full-Brick
CFB200-48S33	36-75 VDC	3.3 VDC	40A	25 mA	3.5A	79	Full-Brick
CFB200-48S05	36-75 VDC	5 VDC	40A	25 mA	5A	83	Full-Brick
CFB200-48S12	36-75 VDC	12 VDC	17A	25 mA	5A	85	Full-Brick
CFB200-48S15	36-75 VDC	15 VDC	13.3A	25 mA	5A	85	Full-Brick
CFB200-48S24	36-75 VDC	24 VDC	8.33A	25 mA	5A	85	Full-Brick
CFB200-48S28	36-75 VDC	28 VDC	7.14A	25 mA	4.7A	89	Full-Brick
CFB200-48S48	36-75 VDC	48 VDC	4.2A	25 mA	4.7A	90	Full-Brick

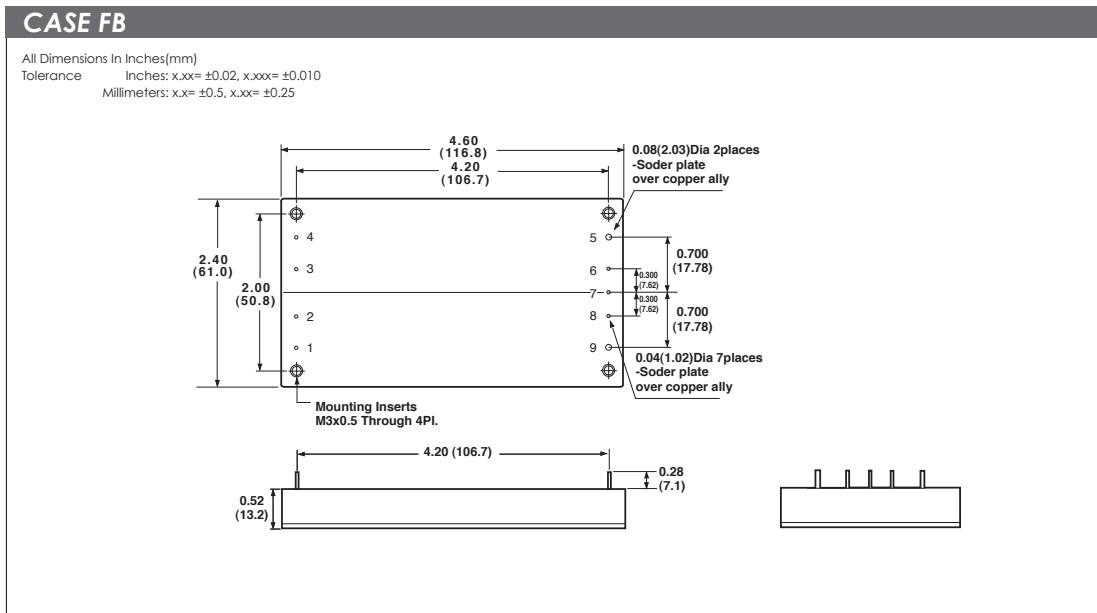
NOTE: 1. Nominal Input Voltage 48 VDC

Specifications	
INPUT SPECIFICATIONS:	
Input Voltage Range	48V.....36-75V
Undervoltage lockout	48Vin power up 34V
	48Vin power down32.5V
Positive Logic Remote ON/OFF ^{3,4}	
Input Filter	PI Type
OUTPUT SPECIFICATIONS:	
Voltage Accuracy :	±1% max.
Transient Response :25% Step Load Change.....	<500µ sec.
External Trim Adj. Range	±10%
Ripple & Noise, 20MHz BW, 2.5V & 3.3V & 5V.....	40mV RMS., max.
	100mV pk-pk, max.
	12V & 15V.....60mV RMS., max.
	150mV pk-pk, max.
24V & 28V & 48V.....	100mV/150mV/200mV RMS., max.
	240mV/280mV/480mV 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, % Vo nom.....	115-140%
Current Limit	110% ~140% Nominal Output
GENERAL SPECIFICATIONS:	
Efficiency.....	See Table
Isolation Voltage	Input/Output..... 1500VDC min.
	Input/Case..... 1500VDC min.
	Output/Case..... 1500VDC min.
Isolation Resistance	10 ⁹ ohm min.
Switching Frequency	350KHz, Typ.
Operating Case Temperature	-40°C to 100°C
Storage Temperature	-40°C to +105°C
Thermal Shutdown, Case Temp.	100°C Typ.
Dimensions	4.60x2.40x0.52 inches (116.8x61.0x13.2 mm)
Case Material.....	Aluminum Baseplate with Plastic Case
Weight.....	193g



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

- NOTE:**
1. Measured From High Line to Low Line.
 2. Measured From Full Load to Zero Load.
 3. Logic CompatibilityOpen Collector Ref. to -Input.
Module ONOpen Circuit
Module OFF.....<0.8Vdc
 4. Suffix "N" to the Model Number with Negative Logic Remote ON/OFF.



All Specifications Typical At Nominal Line, Full Load and 25°C Unless Otherwise Noted.