**SLTS122** 

(Revised 1/17/2001)



Patent pending on package assembly

### **Features**

- 8.5A Current Boost (Boosts PT4486 up to 17A)
- Tracks V<sub>out</sub> of PT4486
- Synchronized Operation
- High Efficiency
- Input Voltage: 36V to 75V
- 26-pin Copper Case Package

## **Description**

The PT4497 is a high-performance 100W/8.5A "Current Booster" for use with the PT4486 DC/DC converter. The PT4497 adds a parallel output stage to the PT4486, allowing both to operate in perfect sychronization.

The PT4497 only operates with a PT4486 and is not a stand-alone product. Refer the PT4486 data sheet for the performance specifications. The PT4497 is housed in the same 26-pin case and has the same package options as the PT4486.

## PT Series Suffix (PT1234X)

Case/Pin Configuration	
Vertical Through-Hole	N
Horizontal Through-Hole	A
Horizontal Surface Mount	С

#### **Ordering Information**

### PT4497□

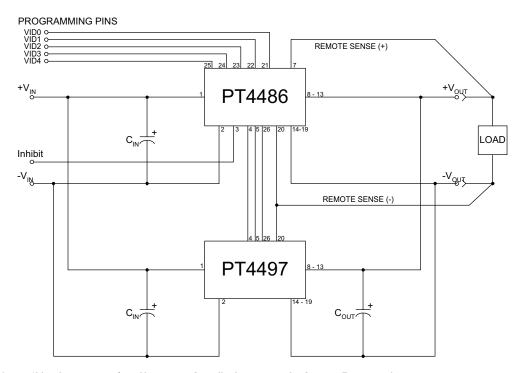
(For dimensions and PC Board layout, see Package Styles 1200, 1210 and 1215.)

## **Pin-Out Information**

Pin	Function
1	$+V_{in}$
2	-V <sub>in</sub>
3	N/C
4	$V_{\rm r}$
5	$V_a$
6	N/C
7	N/C
8	$+V_{out}$
9	+ $V_{out}$

Pin	Function	Pin	Function
10	$+V_{out}$	19	$-V_{out}$
11	$+V_{out}$	20	$-V_{ m sense}$
12	$+V_{out}$	21	N/C
13	$+V_{out}$	22	N/C
14	-V <sub>out</sub>	23	N/C
15	-V <sub>out</sub>	24	N/C
16	-V <sub>out</sub>	25	N/C
17	-V <sub>out</sub>	26	DRV
18	-V <sub>out</sub>		

# **Standard Application**



Input Capacitors: Although not necessary for stable operation, Cin will reduce input ripple. Cin = 33µF is suggested.
 Output Capacitors: A minimum of 33µF per PT4497 booster module is required for proper operation. Increasing Cout will reduce transients due to large and/or fast load steps.



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