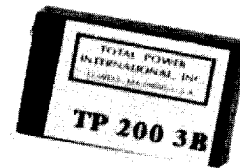


## 3 WATT 2:1 INPUT RANGE SINGLE and DUAL OUTPUT DC - DC CONVERTERS

### TP200 3B SERIES

#### Features:

- 50-75% Efficiency
- 2:1 Input Range
- Pi Input Filter
- Regulated Outputs
- Low Ripple and Noise
- Short Circuit Protection



#### Specifications:

##### Input

- Input Voltage Range : 2:1
- Input Filter : Pi Network

##### Output

- Voltage/Current Ratings : See Order Information Table
- Line Regulation :  $\pm 1\%$  max.
- Load Regulation :  $\pm 1\%$  max.
- Dielectric Withstand : 500 VDC min.
- Ripple and Noise : 0.5-1%/p-p max.
- Isolation Resistance :  $10^9$  ohms
- Isolation Capacitance : 30pF
- Efficiency : 50-75%
- Switching Frequency : 25KHz min.
- Output Protection : Short Circuit Protection, 10 seconds max.

##### Environmental

- Operating Temperature : -25C to +71C
- Storage Temperature : -55C to +105C
- Temperature Coefficient :  $\pm 0.02\%$ /degree C

##### Mechanical

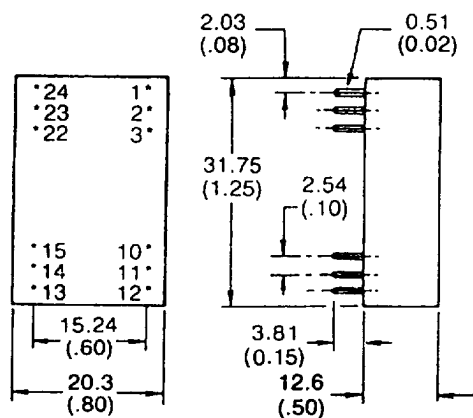
- Case Material : Non-Conductive Black Plastic

### ORDER INFORMATION TABLE

INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	INPUT CURRENT (mA)		MODEL NO.
			NO LOAD	FULL LOAD	
4.5-6.0	5	500	75	730	3B500-05S05
4.5-6.0	12	250	75	874	3B250-05S12
4.5-6.0	15	200	75	869	3B200-05S15
9-18	5	500	25	310	3B500-12S05
9-18	12	250	25	345	3B250-12S12
9-18	15	200	25	357	3B200-12S15
18-36	5	500	15	150	3B500-24S05
18-36	12	250	15	170	3B250-24S12
18-36	15	200	15	174	3B200-24S15
36-72	5	500	15	73	3B500-48S05
36-72	12	250	15	94	3B250-48S12
36-72	15	200	15	92	3B200-48S15
9-18	± 5	250	25	320	3B250-12D05
9-18	± 12	125	25	370	3B125-12D12
9-18	± 15	100	25	370	3B100-12D15
18-36	± 5	250	15	170	3B250-24D05
18-36	± 12	125	15	186	3B125-24D12
18-36	± 15	100	15	182	3B100-24D15
36-72	± 5	250	15	85	3B250-48D05
36-72	± 12	125	15	94	3B125-48D12
36-72	± 15	100	15	94	3B100-48D15

NOMINAL INPUT 12Vdc, 24Vdc, 48Vdc FOR INPUT CURRENT.

#### DIMENSION: BOTTOM VIEW



#### PIN CONNECTIONS:

PIN	SINGLE	DUAL
1&24	+ INPUT	+ INPUT
2&23	NC	- OUTPUT
3&22	NC	COMMON
10&15	- OUTPUT	COMMON
11&14	+ OUTPUT	+ OUTPUT
12&13	- INPUT	- INPUT