MODEL

TC-10-01B

TC-10-02B

TC-10-03B

TC-10-04B

TC-10-05B

TC-10-06B

TC-10-07B

TC-10-08B

TC-10-09B

TC-10-10B

TC-10-11B

TC-10-12B

INPUT

 $3.6\ V_{DC}$

5 V_{DC}

5 V_{DC}

 $5\,V_{DC}$

 $5 V_{DC}$

 $5 V_{DC}$

7.5 V_{DC}

 $12 \, V_{DC}$

 $12 V_{DC}$

12 V_{DC}

12 V_{DC}

 $24 V_{DC}$

Vishay Dale



Through Hole Transformers Converter



STANDARD ELECTRICAL SPECIFICATIONS

OUTPUT

 $+ 7.2 \pm 0.2 V_{DC}$ at 150 MW $- 7.2 \pm 0.2 V_{DC}$ at 150 MW

200 ± 10 V_{DC} at 250 MW

 $200 \pm 10 \text{ V}_{DC}$ at 250 MW + 15 ± 0.4 V $_{DC}$ at 125 MW - 15 ± 0.4 V $_{DC}$ at 125 MW

+ 15 ± 0.4 V_{DC} at 500 MW - 15 ± 0.4 V_{DC} at 500 MW

+ 170 \pm 5.1 V_{DC} at 850 MW + 32 \pm 1.0 V_{DC} at 510 MW

+ 35 ± 1.0 V_{DC} at 610 MW

16.3 \pm 0.4 V_{DC} at 330 MW

 \pm 15 \pm 0.4 V_{DC} at 1 W

 $160 \pm 5 V_{DC}$ at 1.5 W

 $14.2 \pm 0.7 \, V_{DC}$ at 3 W

 $+ 24 \pm 0.5 \, V_{DC}$ at 2 W

FREQ. REF.

(kHz)

7.5

11

11

8

11

11

7

7.5

10

10

10

11

CIRCUIT

EFF.

50 %

50 %

60 %

75 %

75 %

70 %

65 %

72 %

75 %

70 %

80 %

70 %

TEST

CIRCUIT

2*

2

3

4

4*

5

3

6

5

5

FEATURES

SCHEMATIC

NUMBER

4

2

1

5

5*

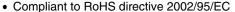
1

3

1

5

- · Designed especially for low-power solid state circuits
- · Designed for mounting on printed circuit boards
- · Miniature size for minimum space
- High conversion efficiency from DC input to filtered DC output





COMPLIANT

APPLICATIONS

Power supply for gas discharge display, battery-operated portable instruments, operational amplifier power supplies.

ELECTRICAL SPECIFICATIONS

Transformer Power Rating: 3 W Isolation, Primary-Secondary: 500 V 60 Hz. Operating characteristics may be varied to suit specific applications by appropriate selection of circuit components.

OPERATING TEMPERATURE RANGE:

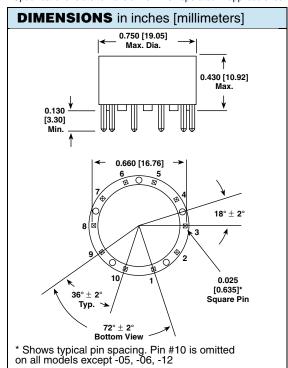
- 20 °C to + 80 °C. Intended for use in enclosed commercial and industrial applications.

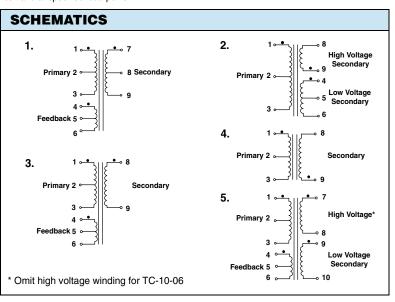
MECHANICAL SPECIFICATIONS

Coil: Secured to bottom of case with

Terminals: 0.025" [0.635 mm] square, solder plated

 $^{170 \}pm 5.1 \text{ V}_{DC}$ at 850 MW $32 \pm 1.0 \text{ V}_{DC}$ at 510 MW Specifications relate to transformer when operated in applicable test circuit and at specified load power.





PART MARKING

- Model - Date code

www.vishay.com

For technical questions, contact: magnetics@vishay.com

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Revision: 06-Jul-09





Through Hole Transformers, Converter

Vishay Dale

ORDERING INFORMATION			
TC-10	-01B	ЕВ	e2
MODEL	DASH NUMBER	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD
GLOBAL PART NUMBER			
T C 1	0	ЕВ	0 1 B
MODEL		PACKAGE CODE	INDUCTANCE





Vishay

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