

## HR0511<u>5</u>4

## Electrical Specification @25°C

RoHS Compliant (Pb Free)

Isolation: 1500Vrms 60S 1mA (Pri. & Aux. to Sec.)

Isolation: 500Vrms 3S 1mA (Pri. to Aux.; Windings to Core)

Turns Ratio: P1-2: P4-5: P6,7-10,9 = 1.8:1:1 @100KHz 0.1Vrms (Tie6+7, 9+10)

Pin1-2 Inductance: 100.0 uH ±10% @100KHz 0.1Vrms

Pin1-2 Inductance: 80.0 uH Min @100KHz 0.1Vrms 1.3ADC

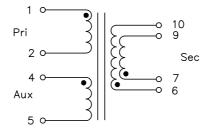
Pin1-2 Leakage Inductance: 0.875 uH Max. @100KHz 0.1Vrms (Shorted P6+7+9+10)

Pin1-2 DC Resistance: 210.0 mohms Max. P4-5 DC Resistance: 580.0 mohms Max. Pin6-10 DC Resistance: 70.0 mohms Max. Pin7-9 DC Resistance: 70.0 mohms Max. Operating Temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$  Input 33-57V Output 12.0V 2.5A

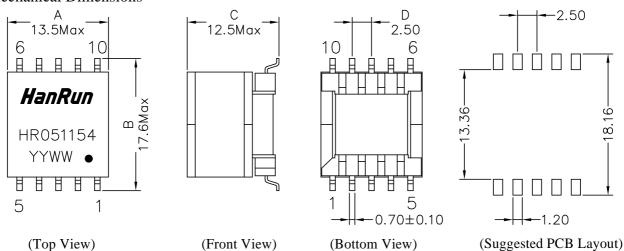
Power Transformer For Texas Insturments TPS23754 PD Controller

Application of the transformer allows for the leadwires between terminals 6&7 and 9&10 to solder bridge

## **Schematics**



## Mechanical Dimensions



Unless otherwise specified,

REV.: 01 Tol.:  $.xx \pm 0.25$  (mm)  $_{1 \text{ of } 1}$ 

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