

## HR102044

## Electrical Specification @25°C

RoHS Compliant (Pb Free)

Isolation: 1500Vrms 1mA 3S (Pri. &amp; Aux. to Sec.)

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

Pin1,2-3,4 Inductance: 42.0  $\mu$ H  $\pm$  10% @250KHz 0.7Vrms (Tie1+2, 3+4)Pin1,2-3,4 Inductance: 37.8  $\mu$ H Min @250KHz 0.7Vrms 2.6Adc (Tie1+2, 3+4)Pin1,2-3,4 Leakage Inductance: 0.545  $\mu$ H Max.

@250KHz 0.7Vrms (Tie1+2, 3+4, Shorted Other Windings)

Pin1,2-3,4 DC Resistance: 61.0 mohms Max. (Tie1+2, 3+4)

Pin12,11,10-7,8,9 DC Resistance: 15.0 mohms Max.(Tie7+8+9, 10,11,12)

Pin5-6 DC Resistance: 195.0 mohms Max.

Turns Ratio: @100kHz 0.7Vrms (Tie1+2, 3+4, 7+8+9, 10+11+12)

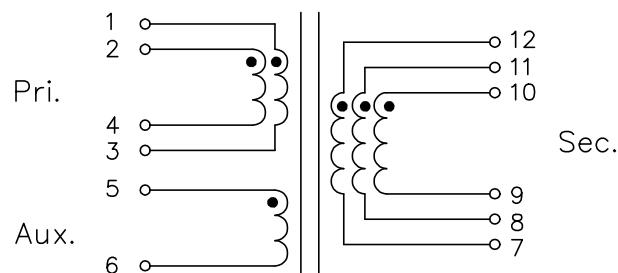
P1,2-3,4 : P5-6 : P12,11,10-7,8,9 = 21 : 7 : 7

Operates at 250KHz With 36~72Volts Input

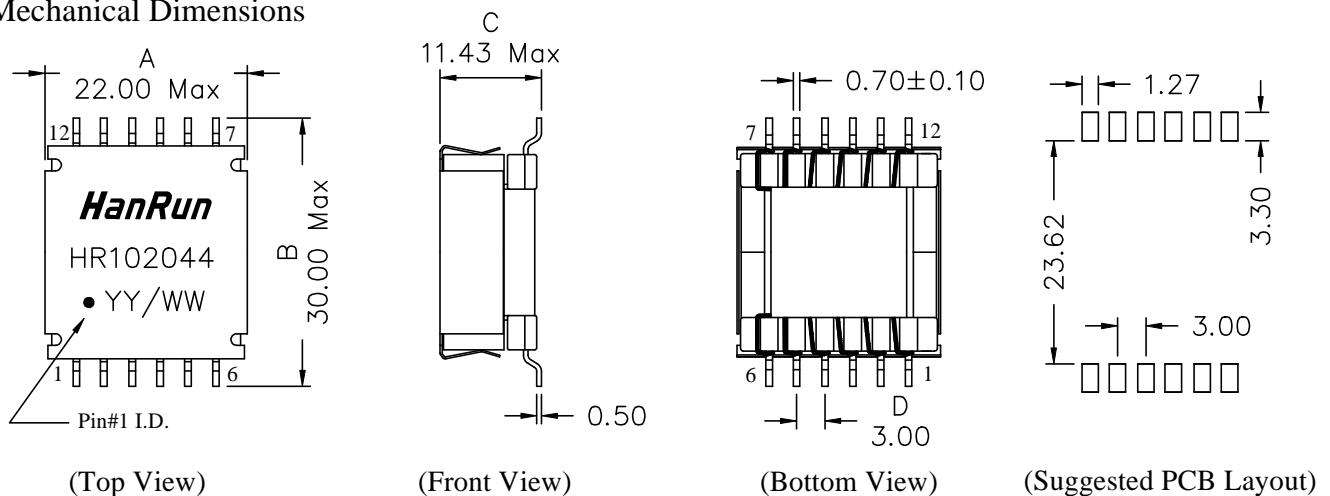
Power: 30W ; Output: 12V, 2.5A

Operating Temp.: -40 to +85°C ; Storage Temp.: -40 to +85°C

## Schematics



## Mechanical Dimensions



Unless otherwise specified,  
Tol.: .xx  $\pm$  0.25 (mm)