

## HR102102

### Electrical Specification @25°C

RoHS Compliant (Pb Free)

Isolation: 1500Vrms 1mA 60S (Pri. to Sec.) ; 500Vrms 1mA 60S (Pri. to Aux.)

Pin1,2-3,4 Inductance: 42.0 uH  $\pm$  10% @250KHz 0.7Vrms

Pin1,2-3,4 Inductance: 37.8 uH Min @250KHz 0.7Vrms 2.6Adc

Pin1,2-3,4 Leakage Inductance: 3.0 uH Max. @250KHz 0.7Vrms (Shorted Sec. Windings)

Pin1,2-3,4 DC Resistance: 70.0 mohms Max

Pin5-6 DC Resistance: 220.0 mohms Max

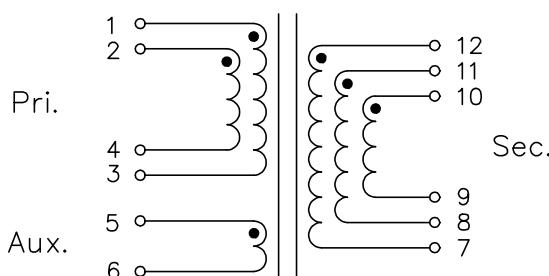
Pin10,11,12-9,8,7 DC Resistance: 2.3 mohms Max

Turns Ratio: P1,2-3,4 : P5-6 : P10,11,12-9,8,7 = 1 : 0.33 : 0.09 @100kHz 1.0Vrms

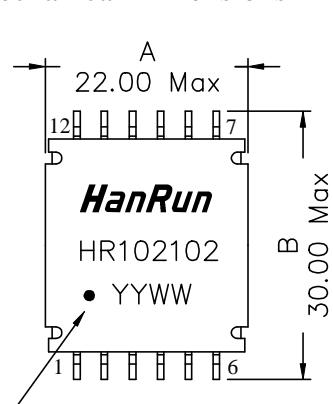
Operating Temperature: -40 ~ 125°C

Input: 36~72V Output: 3.3V/9A @250KHz

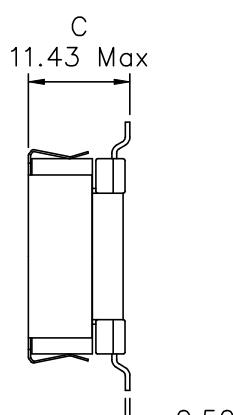
### Schematics



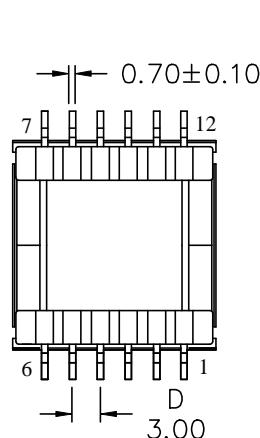
### Mechanical Dimensions



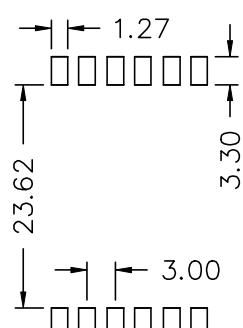
(Top View)



(Front View)



(Bottom View)



(Suggested PCB Layout)

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