

HR102592

Electrical Specification @25°C

RoHS Compliant (Pb Free)

Isolation: 1500Vrms 1mA 3S (Pri.&Aux. to Sec.) ; 1000Vrms 1mA 3S (Pri. to Aux.)

Isolation: 1000Vrms 1mA 3S (Windings to Core)

Pin1,2-3,4 Inductance: 30.0 μ H $\pm$ 10% @100KHz 0.1Vrms (Tie P1+2, P3+4)

Pin1,2-3,4 Leakage Inductance: 1.0 μ H Max. @100KHz 0.1Vrms
(Tie P1+2, P3+4, Shorted other Windings)

Pin1,2-3,4 DC Resistance: 55.0 mohms Maximum (Tie P1+2, P3+4)

Pin5-6 DC Resistance: 220.0 mohms Maximum

Pin11,12-9,10 DC Resistance: 35.0 mohms Maximum (Tie P9+10, P11+12)

Turns Ratio: (Tie P1+2, 3+4, 9+10, 11+12) @100kHz 0.1Vrms

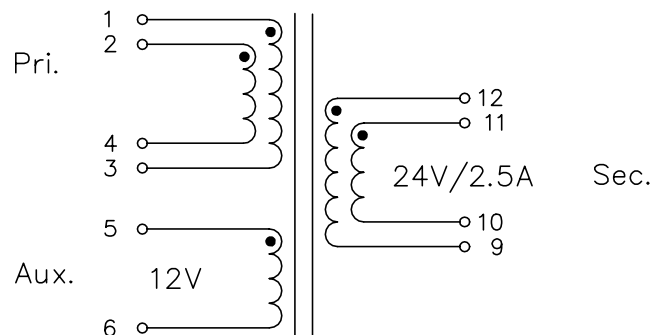
P1,2-3,4 : P5-6 : P11,12-9,10 = 15 : 6 : 12

Operating Frequency: 250KHz

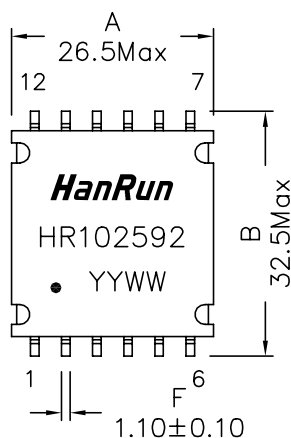
Input: 36~72V Output: 24V/2.5A

Operating Temperature: -40°C ~ +85°C

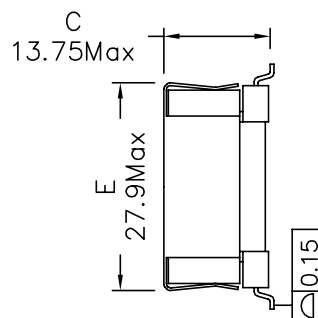
Schematics



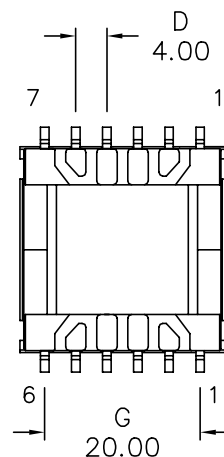
Mechanical Dimensions



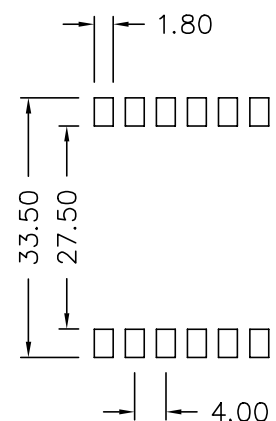
(Top View)



(Front View)



(Bottom View)



(Suggested PCB Layout)

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