

HR103051

Electrical Specification @25°C

RoHS Compliant (Pb Free)

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

Isolation: 600Vrms 1mA 3S (Windings to Windings, ; Windings to Core)

Pin1,2-3,4 Inductance: 25.0uH $\pm 10\%$ @100KHz 0.1Vrms (Tie1+2, 3+4)

Pin1,2-3,4 Leakage Inductance: 0.5 uH Max @ Ls 100KHz 0.1Vrms
(Tie1+2, 3+4; Shorted other Windings)

Pin1,2-3,4 DC Resistance: 50.0 mohms Max. (Tie1+2, 3+4)

Pin5-6 DC Resistance: 120.0 mohms Max.

Pin8-7 DC Resistance: 115.0 mohms Max.

Pin11,12-10,9 DC Resistance: 82.0 mohms Max. (Tie9+10, 11+12)

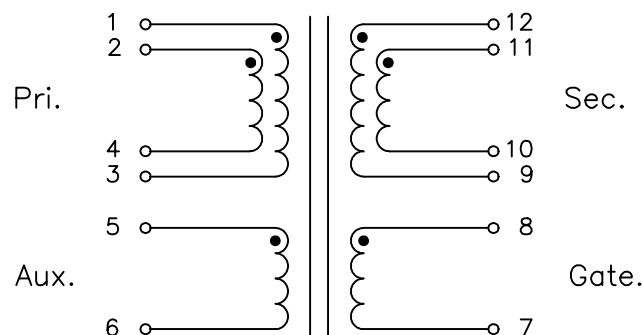
Turns Ratio: (Tie1+2, 3+4, 9+10, 11+12) @100KHz 0.1Vrms

P1,2-3,4 : P5-6 : P8-7 : P11,12-10,9 = 14 : 7 : 7 : 24

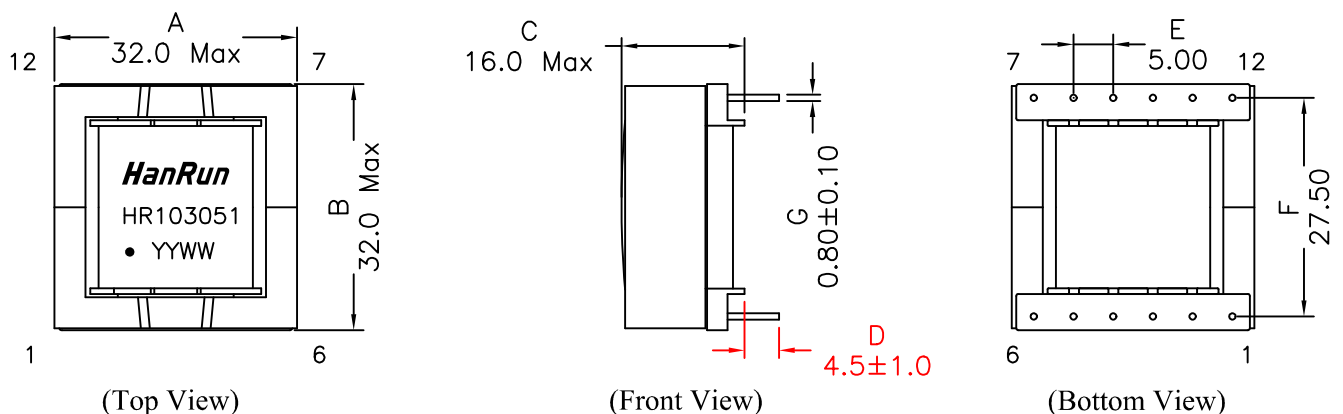
Operation Temperature: -40°C ~ +85°C; Storage Temperature: -40°C ~ +85°C

Input: 36~72V, Output: 48V/1.875A, 12V/0.5A @350KHz

Schematics



Mechanical Dimensions



Unless otherwise specified,
Tol.: .xx ± 0.25 (mm)