

HR051191

Electrical Specification @25°C

RoHS Compliant (Pb Free)

Isolation: 1500Vrms 1mA 60S (Pri to Sec) 600Vrms 1mA 3S (Windings to Core)

Turns Ratio: P2-1 : P7,8-9,10 = 5 : 2 @100KHz 100mVrms (Tie7+8, 9+10)

Pin2-1 Inductance: 40.0 uH $\pm 10\%$ @100KHz 100mVrms

Pin2-1 Inductance: 36.0 uH Min @100KHz 100mVrms +2.0A

Pin2-1 Leakage Inductance: 0.621 uH Maximum @100KHz 100mVrms (Shorted other windings)

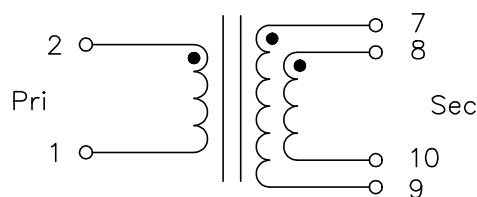
Pin2-1 DC Resistance: 108.0 mohms Maximum

Pin7,8-9,10 DC Resistance: 40.0 mohms Maximum (Tie7+8, 9+10)

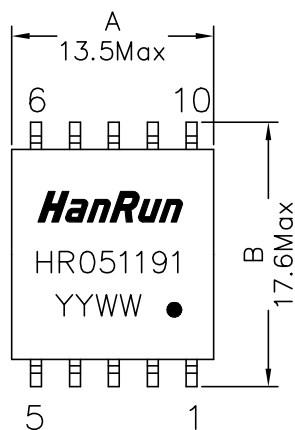
Operating temperature -40°C to $+85^{\circ}\text{C}$; Storage temperature -40°C to $+85^{\circ}\text{C}$

Input 36-57V Output 5.0V 3.0A

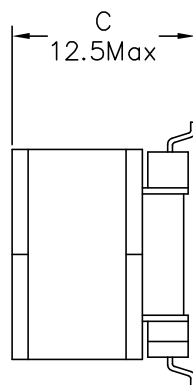
Schematics



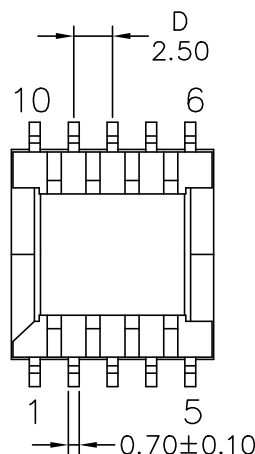
Mechanical Dimensions



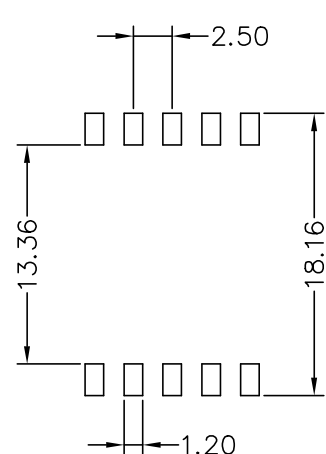
(Top View)



(Front View)



(Bottom View)



(Suggested PCB Layout)

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