

HR050802

Electrical Specification @25°C

RoHS Compliant (Pb Free)

Isolation: 4000VDC 1mA 60S (Pri. to Sec.; Sec. to Core)

Isolation: 2000VDC 1mA 60S (Pri. to Core)

Pin1-3 Inductance: 14.0 uH $\pm 10\%$ @100KHz 0.1Vrms

Pin1-3 Leakage Inductance: 0.30 uH Max. @100KHz 0.1Vrms

Pin1-3 DC Resistance: 100.0 mohms Max.

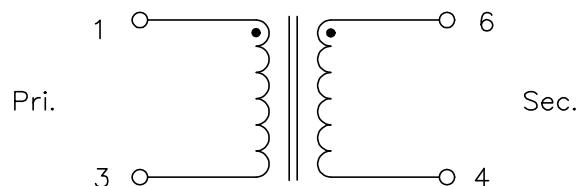
Pin6-4 DC Resistance: 100.0 mohms Max.

Turns ratio: Pin1-3 : Pin6-4 = 1 : 1.5 @100KHz, 0.1Vrms

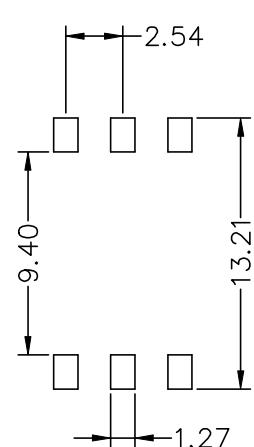
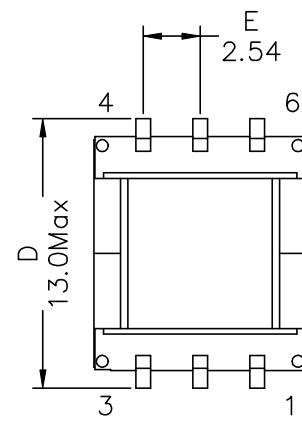
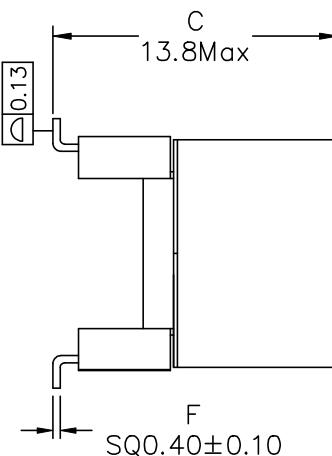
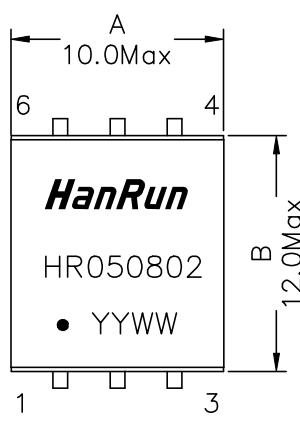
Input: 8~42VDC, Output: 3.3~6VDC @250~500KHz

Operating Temperature: -40 ~ +125°C

Schematics



Mechanical Dimensions



(Top View)

(Side View)

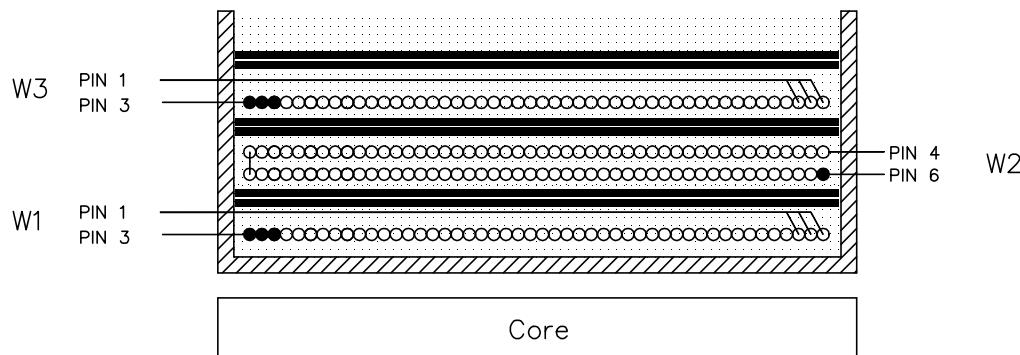
(Bottom View)

(Suggested PCB Layout)

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

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Transformer Construction and Winding



NOTE:

BOBBIN

VARNISH

INSULATION TAPE 6.0mm

Figure

No.	COIL	TERMINAL	WIRE	TURNs	TAPE	Direction
1	W1	3 -- 1	Ø0.10mm*3P 1UEW	10T	2T	针脚朝外
2	W2	6 -- 4	Ø0.25mm*1P TCA3	15T	2T	针脚朝内
3	W3	3 -- 1	Ø0.10mm*3P 1UEW	10T	2T	针脚朝外