

HR601234E

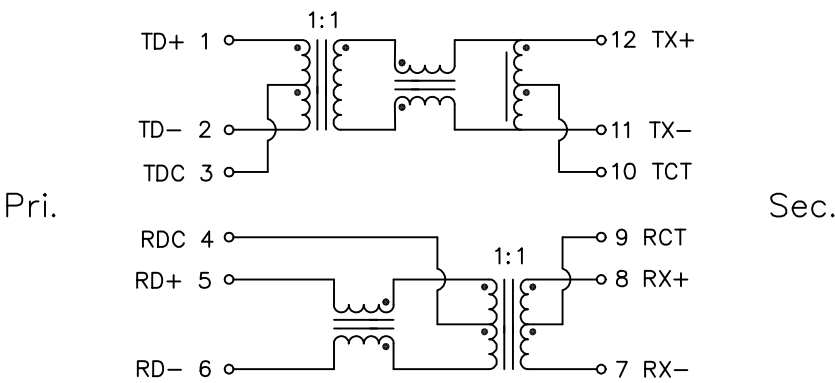
Electrical Specification @25°C

Properties	Test Conditions	Value	Unit	Tol.
Isolation	0.5mA 60sec (Pri. to Sec.)	1500	Vrms	Min.
Inductance	100KHz 100mV with 8mADC	350	μH	Min.
DCR	1/2 Winding	0.6	Ω	Max.
Turns Ratio	Pri. : Sec.	1:1		±2%
Insertion Loss	0.1MHz – 125MHz	–1.2	dB	Max.
Return Loss	1MHz – 30MHz	–16	dB	Min.
Return Loss	30MHz – 60MHz	–12	dB	Min.
Return Loss	60MHz – 80MHz	–10	dB	Min.
Common Mode Rejection Ratio	1MHz – 30MHz	–31	dB	Min.
Common Mode Rejection Ratio	30MHz – 100MHz	–21	dB	Min.
Common Mode Rejection Ratio	100MHz – 200MHz	–15	dB	Min.
Crosstalk	1MHz – 60MHz	–33	dB	Min.
Crosstalk	60MHz – 100MHz	–30	dB	Min.

General Information:

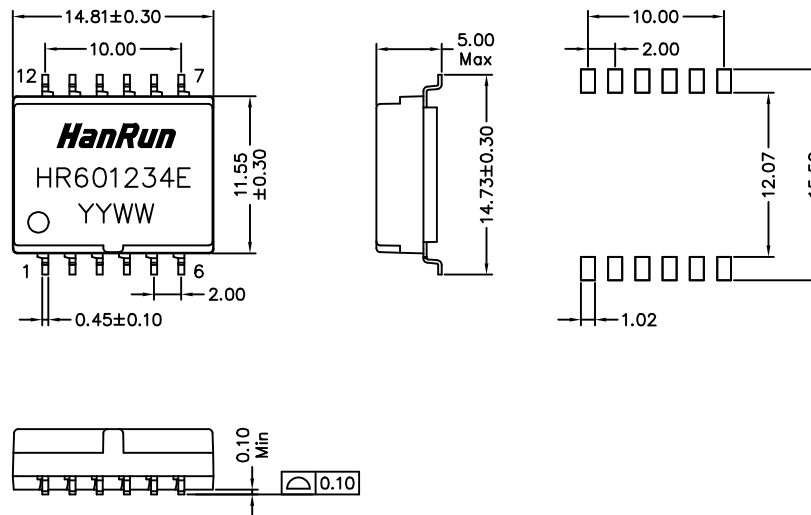
RoHS	Compliant
Operation Temperature	–40°C ~ +85°C

Schematics



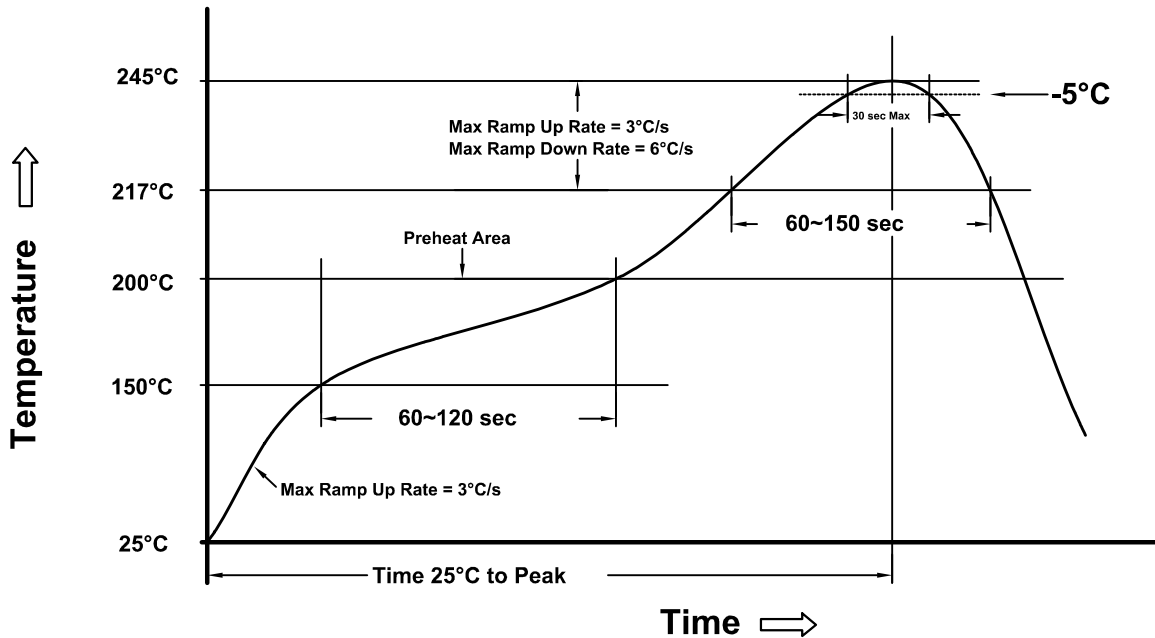
HR601234E

Mechanical Dimensions



HR601234E

Lead-free Recommended Soldering Profile



Remarks:

- peak temperature = 245°C
- Maximum preheat rate = 3°C / sec
- Ramp up rate = 3°C / sec max
- Time above 217°C = 60 sec min / 150 sec max
- Maximum cooling rate = 6°C / sec
- T 25°C to peak = 8 min max
- preheat Time = 60 ~ 120 sec
- The number of allowed cycles in IR reflow ≤ 2 cycles