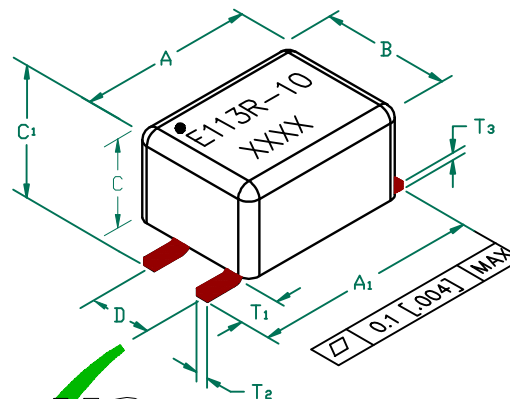


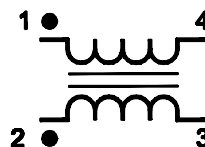


ELECTRICAL SPECIFICATION @ 25°C  
OPERATING TEMPERATURE RANGE: -40°C TO +125°C

| PARAMETER SYMBOL | TEST LEADS      | CONDITIONS           | REQUIREMENTS    |      |       |
|------------------|-----------------|----------------------|-----------------|------|-------|
|                  |                 |                      | MIN             | TYP  | MAX   |
| Lp (μH)          | 1-4/2-3         | @ 100KHz/<br>50mV    | 7.7             | 11   | 14.3  |
| L LEAKAGE (μH)   | 1-4<br>(s' 2-3) | @ 100KHz/<br>50mV    |                 | 0.05 |       |
| TRP              |                 |                      | 1 : 1<br>+/- 5% |      |       |
| DCR(Ω)           | 1-4/2-3         |                      |                 | 0.12 | 0.156 |
| Hi-pot           | wdg-wdg         | (Vac)<br>.5mA, 2sec. | 250             |      |       |
| I (mA)           |                 |                      |                 |      | 800   |



**RoHS**  
**2002/95/EC**



PHYSICAL DIMENSIONS:

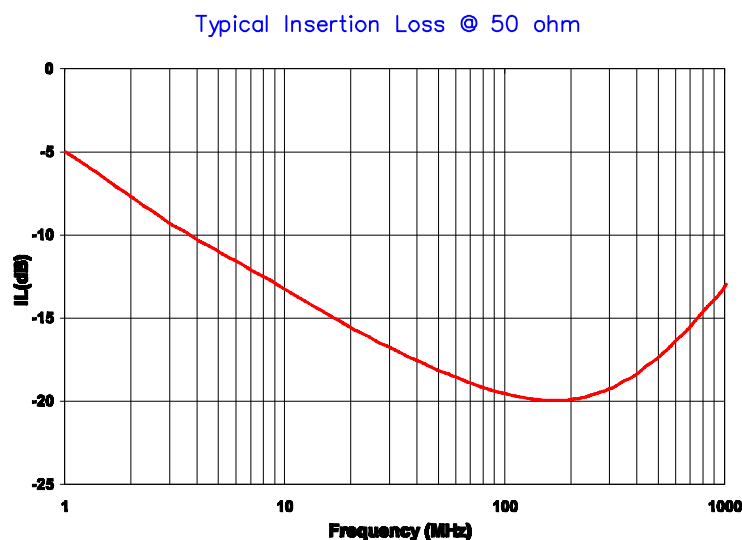
|                | 7.50 | [.295] | + | MAX.        |
|----------------|------|--------|---|-------------|
| A <sub>1</sub> | 9.00 | [.354] | + | 0.40 [.016] |
| B              | 5.50 | [.217] | + | MAX.        |
| C              | 3.80 | [.150] | + | MAX.        |
| C <sub>1</sub> | 4.90 | [.193] | + | MAX.        |
| D              | 2.54 | [.100] | + | 0.10 [.004] |
| T <sub>1</sub> | 1.75 | [.069] | + | TYP.        |
| T <sub>2</sub> | 0.50 | [.020] | + | 0.10 [.004] |
| T <sub>3</sub> | 0.30 | [.012] | + | 0.10 [.004] |

WEIGHT/1000      0.28 kgs      [.62 Lbs]

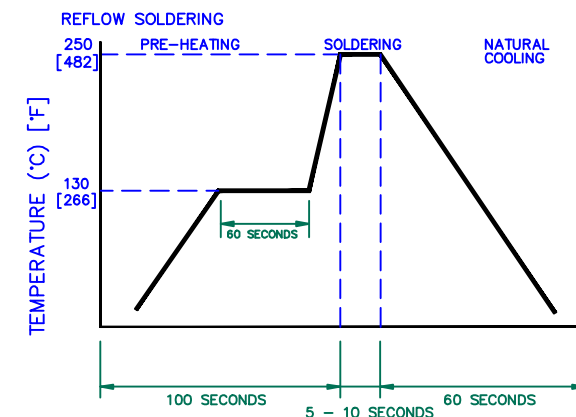
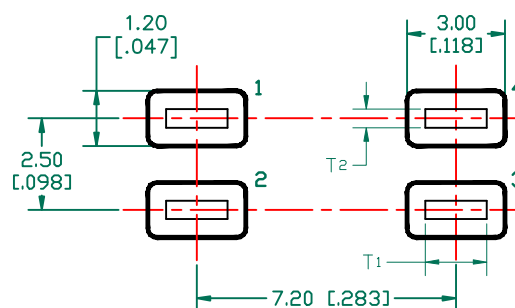
NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED ON 13" REELS, 1500 PCS/REEL.
2. OPEN BOTTOM CONSTRUCTION.

## RECOMMENDED SOLDERING CONDITIONS



## LAND PATTERNS FOR REFLOW SOLDERING



|                                |                     |          |      |                                                                                                                                                                                                                                                         |  |                                                                                       |            |                      |
|--------------------------------|---------------------|----------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|------------|----------------------|
| DIMENSIONS ARE IN mm [INCHES]. |                     |          |      | This print is the property of Laird Tech. and is loaned in confidence subject to return upon request and with the understanding that no copies shall be made without the written consent of Laird Tech. All rights to design or invention are reserved. |  |  |            |                      |
|                                |                     |          |      |                                                                                                                                                                                                                                                         |  |                                                                                       |            |                      |
|                                |                     |          |      |                                                                                                                                                                                                                                                         |  |                                                                                       |            |                      |
|                                |                     |          |      |                                                                                                                                                                                                                                                         |  |                                                                                       |            |                      |
|                                |                     |          |      |                                                                                                                                                                                                                                                         |  |                                                                                       |            |                      |
|                                |                     |          |      |                                                                                                                                                                                                                                                         |  |                                                                                       |            |                      |
|                                |                     |          |      | PROJECT/PART NUMBER:                                                                                                                                                                                                                                    |  | REV                                                                                   | PART TYPE: | DRAWN BY:            |
| C                              | UPDATE COMPANY LOGO | 04/08/09 | JRK  | CC2824E113R-10                                                                                                                                                                                                                                          |  | C                                                                                     | ASSEMBLY   | JRK                  |
| B                              | UPDATE COMPANY LOGO | 05/09/07 | JRK  | DATE: 06/08/05                                                                                                                                                                                                                                          |  | SCALE: NTS                                                                            |            | SHEET:<br><br>2 of 2 |
| A                              | ORIGINAL DRAFT      | 06/08/05 | JRK  | CAD # CC2824E113R-10-C                                                                                                                                                                                                                                  |  | TOOL # -                                                                              |            |                      |
| REV                            | DESCRIPTION         | DATE     | INT. |                                                                                                                                                                                                                                                         |  |                                                                                       |            |                      |