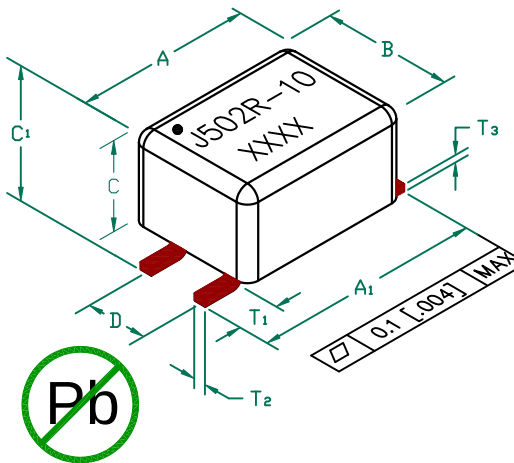


# CC2824J502R-10

**UNCONTROLLED  
DOCUMENT**

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

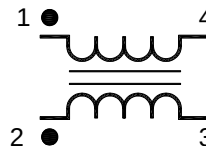
| PARAMETER SYMBOL | TEST LEADS      | CONDITIONS           | REQUIREMENTS    |      |      |
|------------------|-----------------|----------------------|-----------------|------|------|
|                  |                 |                      | MIN             | TYP  | MAX  |
| Lp (μH)          | 1-4/2-3         | @ 100KHz/<br>50mV    | 3.5             | 5    | 6.5  |
| 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         |                      |                 | 0.10 | 0.13 |
| Hi-pot           | wdg-wdg         | (Vac)<br>.5mA, 2sec. | 250             |      |      |
| I (mA)           |                 |                      |                 |      | 1200 |



## PHYSICAL DIMENSIONS:

|                |      |        |   |             |
|----------------|------|--------|---|-------------|
| A              | 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] |

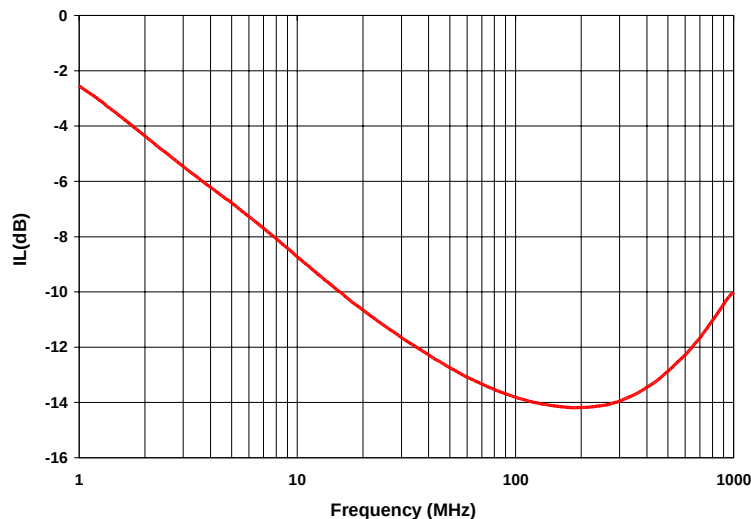
WEIGHT/1000 0.28 kgs [.62 Lbs]



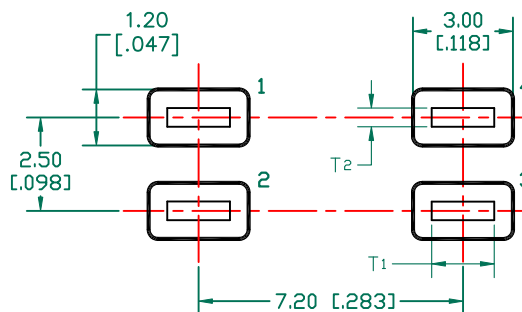
NOTES: UNLESS OTHERWISE SPECIFIED

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

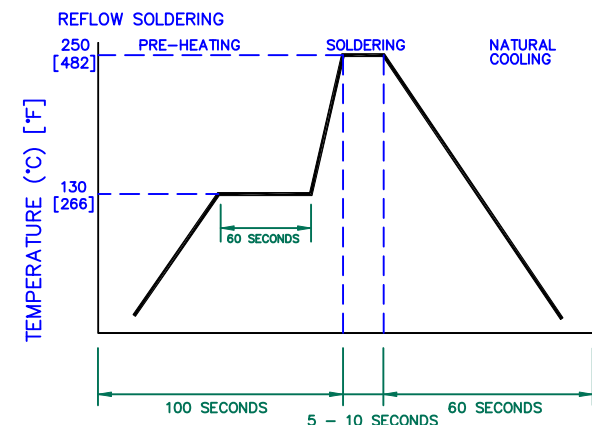
Typical Insertion Loss @ 50 ohm



## LAND PATTERNS FOR REFLOW SOLDERING



## RECOMMENDED SOLDERING CONDITIONS



DIMENSIONS ARE IN mm [INCHES].

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**Steward**

|                      |        |            |           |
|----------------------|--------|------------|-----------|
| PROJECT/PART NUMBER: | REV    | PART TYPE: | DRAWN BY: |
| CC2824J502R-10       | A      | ASSEMBLY   | JRK       |
| DATE:                | SCALE: | SHEET:     |           |
| 06/09/05             | NTS    | 2 of 2     |           |

|     |                |          |     |
|-----|----------------|----------|-----|
| REV | DESCRIPTION    | DATE     | INT |
| A   | ORIGINAL DRAFT | 06/09/05 | JRK |