

# 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] |

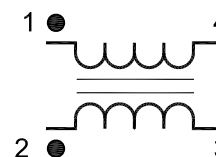
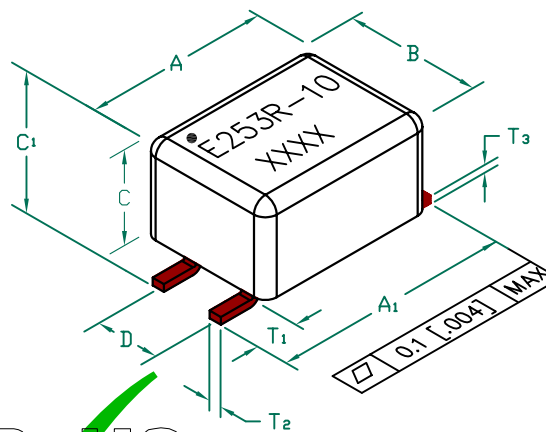
WEIGHT/1000 0.28 kgs [.62 Lbs]

# CM2824E182R-10

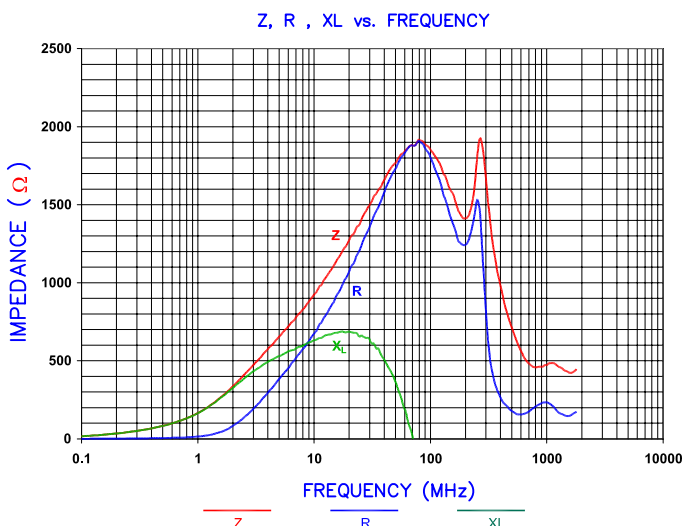
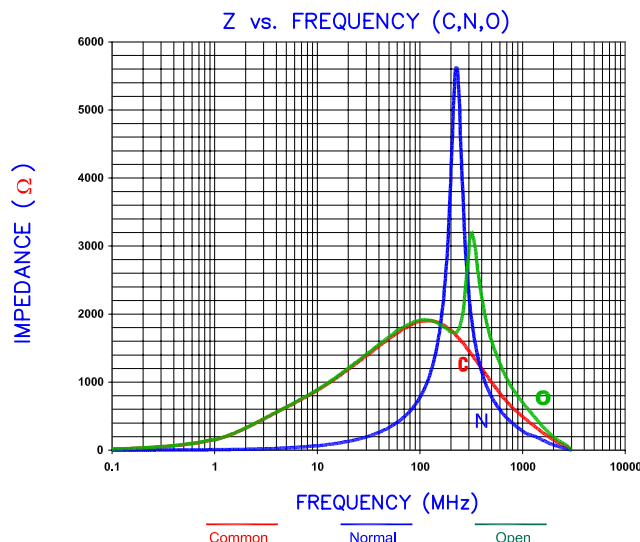
**UNCONTROLLED  
DOCUMENT**

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

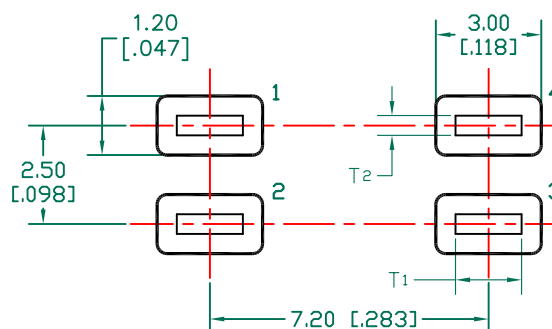
| PARAMETER<br>SYMBOL      | REQUIREMENTS |       |      |
|--------------------------|--------------|-------|------|
|                          | MIN          | TYP   | MAX  |
| Z SPEC<br>Ω<br>@ 100 MHz | 1,350        | 1,800 | —    |
| DCR(Ω)                   |              |       | 0.26 |
| I (mA)                   |              |       | 800  |



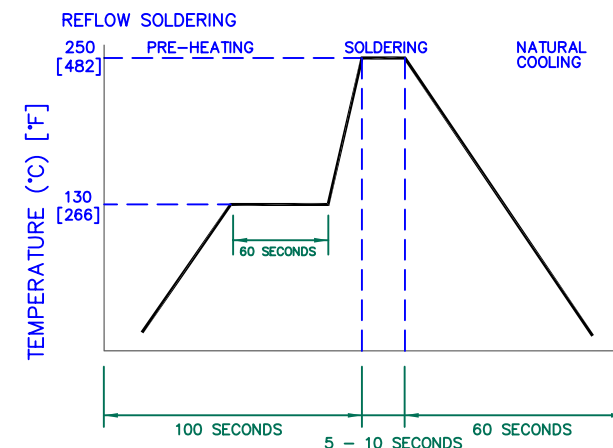
- NOTES: UNLESS OTHERWISE SPECIFIED
1. TAPED AND REELED ON 13" REELS, 1500 PCS/REEL.
  2. OPEN BOTTOM CONSTRUCTION.
  3. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.



## LAND PATTERNS FOR REFLOW SOLDERING



## RECOMMENDED SOLDERING CONDITIONS



DIMENSIONS ARE IN mm [INCHES].

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|                      |                             |          |     |                   |           |
|----------------------|-----------------------------|----------|-----|-------------------|-----------|
| PROJECT/PART NUMBER: |                             |          | REV | PART TYPE:        | DRAWN BY: |
| CM2824E182R-10       |                             |          | D   | COMMON MODE CHOKE | JRK       |
| D                    | REMOVE IMPEDANCE UPPER SPEC | 01/29/10 | JUN | DATE:             | 05/16/06  |
| C                    | UPDATE COMPANY LOGO         | 05/01/09 | JRK | SCALE:            | NTS       |
| B                    | UPDATE COMPANY LOGO         | 11/20/07 | JRK | SHEET:            | 2 of 2    |
| A                    | ORIGINAL DRAFT              | 05/16/06 | JRK | TOOL #            | —         |
| REV                  | DESCRIPTION                 | DATE     | INT | CM2824E182R-10-D  |           |