

# 4 Line Common Mode Choke

## EPA2165SE & EPA2165SE-RC

- IEEE 802.3 and IEEE 802.5 compatible
- Robust construction allows IR/VP reflow processes
- Add “-RC” after part number for RoHS Compliant
- Operating Temperature : -40°C to +85°C
- 500 Vrms Hipot

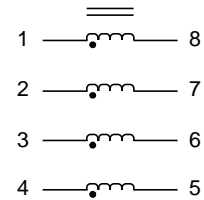
### Electrical Parameters @ 25° C

| OCL<br>( $\mu$ H Min.) |             | Leakage Inductance<br>( $\mu$ H Max.) | Interwinding Capacitance<br>(pF Max.) | ET Product<br>(V-uS) | Insulation Resistance<br>(G Min.) | DCR<br>( Max.)    |
|------------------------|-------------|---------------------------------------|---------------------------------------|----------------------|-----------------------------------|-------------------|
| 100 KHz, 0.1 Vrms      |             | 100 KHz, 0.1 Vrms                     | 100 KHz, 0.1 Vrms                     |                      | @ 500 Vdc                         |                   |
| 110<br>+25°C           | 80<br>-40°C | 0.2                                   | 15<br>Line to Line                    | 2.5                  | 10<br>Line to Line                | 0.35<br>Each Line |

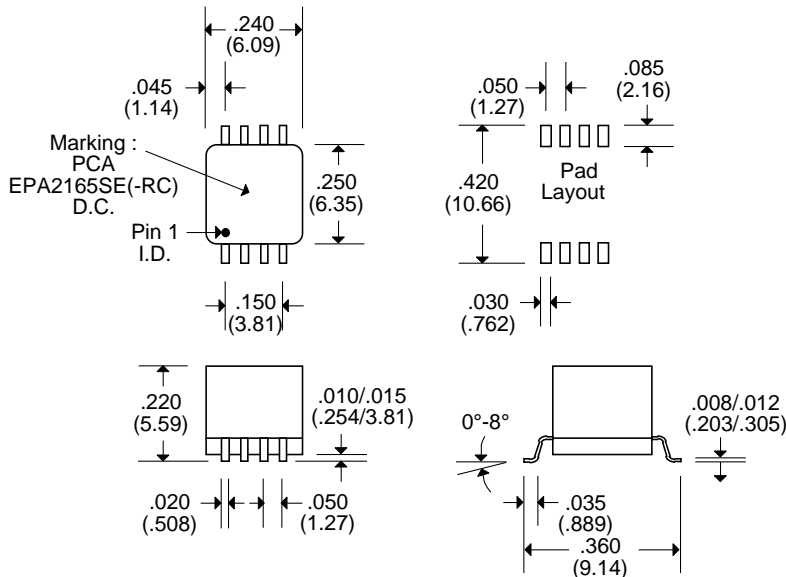
| Notes :  | EPA2165SE   | EPA2165SE-RC                             |
|--|---|--|
| 1. Lead Finish   | SnPb  | Hot Tin Dip (Sn) †                       |
| 2. Peak Temperature Rating   | 225°C   | 245°C                                    |
| 3. Moisture Sensitive Levels   | MSL = 3<br>(168 Hours, 30°C/60%RH)                  | MSL = 4<br>(72 Hours, 30°C/60%RH)        |
| 4. Weight  | TBD grams   | TBD grams                                |
| 5. Packaging Information<br>(*Add “TR” to end of part number, but<br>in front of “-RC” when placing order) | (Tube) TBD pieces/tube                              | TBD pieces/tube                          |
|  | (Tape & Reel) TBD pieces/13” reel<br>(*EPA2165SETR) | TBD pieces/13” reel<br>(*EPA2165SETR-RC) |

† Leadframe Material : Matte Tin with Ni Barrier

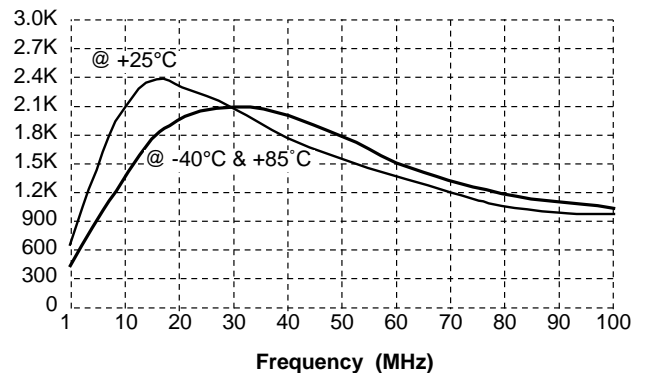
### Schematic



### Package



### Typical Impedance



Unless Otherwise Specified Dimensions are in Inches /mm  $\pm$  .010 / .25