

## 225 Series Surface Mount Inductors

### Features

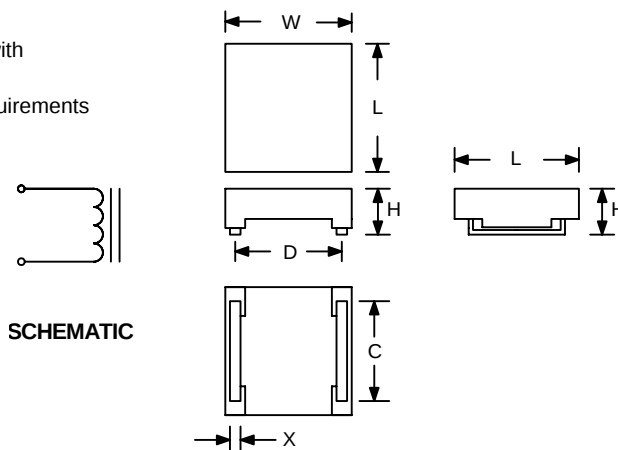
- Designed for use in filter applications
- Suitable for infra and vapor phase reflow soldering
- Meets UL94VO rating
- Large bandwidth to 500kHz
- Tinned Leads with Lead Solder is Available (note 1)

### Electrical Specifications at 25°C

| Part Number | Rated Current (AMPS DC) | Inductance With DC Current $\mu\text{H}$ (Typ) | Inductance Without DC Current $\mu\text{H}$ (Typ) | DCR Ohms (Max) | Package |
|-------------|-------------------------|------------------------------------------------|---------------------------------------------------|----------------|---------|
| PT22501     | 1.0                     | 5.90                                           | 7.00                                              | .072           | A       |
| PT22502     | 1.6                     | 2.80                                           | 3.40                                              | .036           | A       |
| PT22503     | 1.6                     | 16.80                                          | 22.00                                             | .093           | B       |
| PT22504     | 1.6                     | 28.00                                          | 39.60                                             | .130           | C       |
| PT22505     | 1.6                     | 46.00                                          | 62.00                                             | .180           | D       |
| PT22506     | 2.5                     | 1.37                                           | 1.75                                              | .020           | A       |
| PT22507     | 2.5                     | 8.70                                           | 12.20                                             | .047           | B       |
| PT22508     | 2.5                     | 14.50                                          | 22.00                                             | .065           | C       |
| PT22509     | 2.5                     | 24.00                                          | 36.00                                             | .090           | D       |
| PT22510     | 4.0                     | 0.64                                           | 0.86                                              | .012           | A       |
| PT22511     | 4.0                     | 4.50                                           | 6.90                                              | .025           | B       |
| PT22512     | 4.0                     | 7.50                                           | 12.60                                             | .033           | C       |
| PT22513     | 4.0                     | 13.00                                          | 22.00                                             | .046           | D       |
| PT22514     | 6.4                     | 2.20                                           | 3.70                                              | .014           | B       |
| PT22515     | 6.4                     | 3.70                                           | 6.70                                              | .017           | C       |
| PT22516     | 6.4                     | 6.90                                           | 12.70                                             | .024           | D       |

### Notes:

1. For non-RoHS parts, replace PT prefix with 42- (e.g. PT12110 becomes 42-12110).
2. Terminal finish is compliant to RoHS requirements



INCHES .XXX±.010  
MILLIMETERS .XX±.25

| Horizontal Mount Package – Outline Dimensions |               |               |               |                  |                  |                  |
|-----------------------------------------------|---------------|---------------|---------------|------------------|------------------|------------------|
| Package                                       | L (Max)       | W (Max)       | H (Max)       | D ± .005<br>.130 | C ± .005<br>.130 | X ± .003<br>.008 |
| A                                             | .350<br>8.89  | .400<br>10.61 | .250<br>6.35  | .300<br>7.62     | .280<br>7.10     | .027<br>.690     |
| B                                             | .425<br>10.8  | .475<br>12.1  | .330<br>8.38  | .375<br>9.53     | .350<br>8.90     | .027<br>.690     |
| C                                             | .525<br>13.34 | .625<br>15.9  | .400<br>10.16 | .500<br>12.7     | .430<br>11.0     | .042<br>1.07     |
| D                                             | .575<br>14.61 | .725<br>18.42 | .410<br>10.42 | .600<br>15.24    | .470<br>11.94    | .042<br>1.07     |