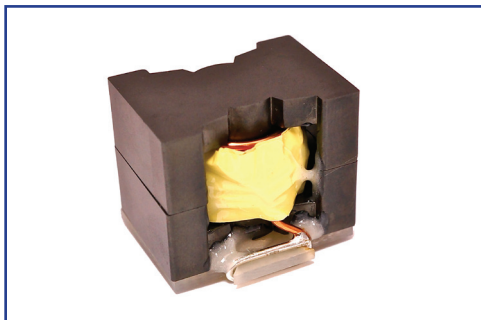


# SURFACE MOUNT POWER INDUCTOR



## P1320P SERIES



- High energy storage, low resistance
- Extra low core loss
- Excellent heat dissipation
- Operating temperature range: -40°C to +85°C
- Custom design available upon request
- RoHS compliant product

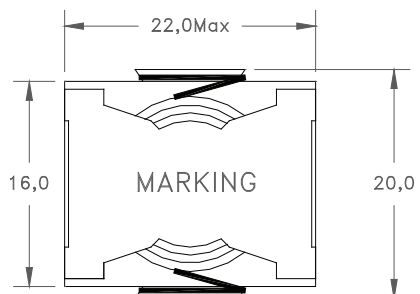
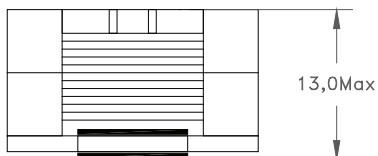
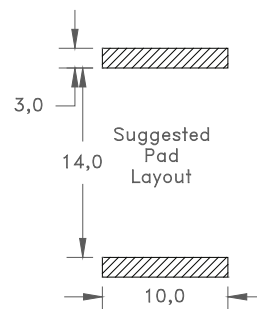
## ELECTRICAL PARAMETERS @ 25°C

| Part Number    | Inductance<br>( $\mu$ H)<br>( $\pm 10\%$ ) | Idc<br>(A)<br>(MAX) | DCR<br>(m $\Omega$ )<br>(MAX) |
|----------------|--------------------------------------------|---------------------|-------------------------------|
| <b>P1320P-</b> |                                            |                     |                               |
| 5R5            | 5.5                                        | 14.5                | 5                             |
| 7R5            | 7.5                                        | 13.5                | 6                             |
| 100            | 10                                         | 12.0                | 7                             |
| 160            | 16                                         | 9.6                 | 9                             |
| 190            | 19                                         | 8.5                 | 11                            |
| 230            | 23                                         | 8.0                 | 12                            |
| 270            | 27                                         | 7.5                 | 15                            |
| 310            | 31                                         | 6.8                 | 18                            |
| 360            | 36                                         | 6.4                 | 20                            |
| 410            | 41                                         | 5.5                 | 26                            |
| 580            | 58                                         | 4.8                 | 36                            |

Note:

1. Inductance measured: 100KHz, 0.1Vrms
2. Idc:  $\Delta L$  25% typical from initial value or  $\Delta T$  40°C typical from ambient temp, whichever is sooner

## DIMENSIONS (mm)



### Dimensions

Unless otherwise specified, all tolerances are:  
 inch: .XX :  $\pm 0.008$  .XXX :  $\pm 0.004$   
 mm: X.X :  $\pm 0.20$  X.XX :  $\pm 0.10$

Product performance is limited to specified parameters. Data is subject to change without prior notice.

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