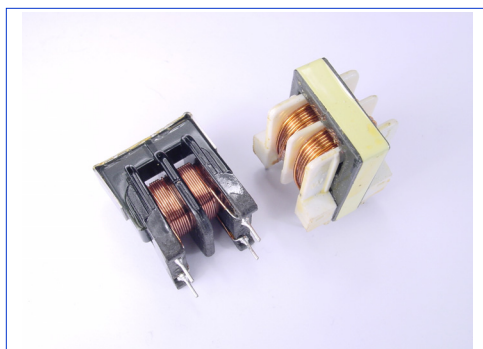


# COMMON MODE CHOKE

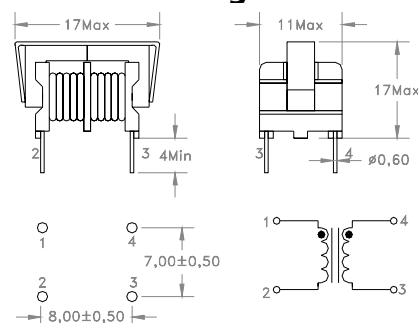


- RoHS Compliant Product
- Operating Temperature: -40°C to +85°C
- Hipot: 3750V<sub>RMS</sub> (1-2 to 4-3)
- Turns Ratio: 1:1 (1-2 to 4-3)
- Inductance tested @ 1KHz, 0.1V<sub>RMS</sub> (1-2, 4-3)
- Polarity: 1 and 4 are in phase
- Polarity:  $\Delta T$  of 35°C temperature rise at rated I<sub>RMS</sub>

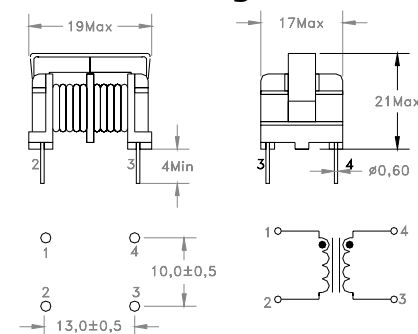
## ELECTRICAL SPECIFICATION @ 25°C

| PART NO                | L<br>Min<br>(mH) | RATED<br>I <sub>RMS</sub><br>(A) | DCR<br>Max<br>(Ω) | PACKAGE |
|------------------------|------------------|----------------------------------|-------------------|---------|
| <b>SERIES P52U98-</b>  |                  |                                  |                   |         |
| 501-0.5                | 0.5              | 1.50                             | 0.12              | A       |
| 102-1.2                | 1.0              | 1.20                             | 0.22              | A       |
| 202-0.85               | 2.0              | 0.85                             | 0.40              | A       |
| 502-0.5                | 5.0              | 0.50                             | 1.00              | A       |
| 802-0.4                | 8.0              | 0.40                             | 2.00              | A       |
| 103-0.35               | 10               | 0.35                             | 2.20              | A       |
| 223-0.27               | 22               | 0.27                             | 4.00              | A       |
| <b>SERIES P52U105-</b> |                  |                                  |                   |         |
| 601-2.8                | 0.6              | 2.80                             | 0.05              | B       |
| 102-2.4                | 1.0              | 2.40                             | 0.05              | B       |
| 202-1.8                | 2.0              | 1.80                             | 0.11              | B       |
| 502-1.1                | 5.0              | 1.10                             | 0.28              | B       |
| 802-0.9                | 8.0              | 0.90                             | 0.44              | B       |
| 103-0.8                | 10               | 0.80                             | 0.50              | B       |
| 203-0.6                | 20               | 0.60                             | 1.11              | B       |
| 303-0.5                | 30               | 0.50                             | 1.73              | B       |
| 453-0.4                | 45               | 0.40                             | 2.68              | B       |
| <b>SERIES P52U157-</b> |                  |                                  |                   |         |
| 601-4.4                | 0.6              | 4.40                             | 0.03              | C       |
| 102-3.6                | 1.0              | 3.60                             | 0.03              | C       |
| 202-2.9                | 2.0              | 2.90                             | 0.06              | C       |
| 502-2.3                | 5.0              | 2.30                             | 0.10              | C       |
| 802-1.6                | 8.0              | 1.60                             | 0.20              | C       |
| 103-1.5                | 10               | 1.50                             | 0.22              | C       |
| 203-1                  | 20               | 1.00                             | 0.49              | C       |
| 303-0.8                | 30               | 0.80                             | 0.76              | C       |
| 453-0.7                | 45               | 0.70                             | 1.18              | C       |

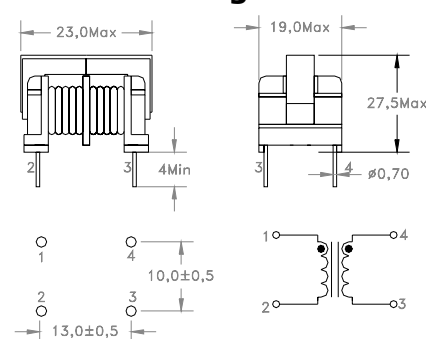
### Package A



### Package B



### Package C



#### Dimensions

Unless otherwise specified, all tolerances are:  
 inch: .XX : ± 0.015 .XX : ± 0.004  
 mm: X,X : ± 0,38 X,XX : ± 0,10

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

P52UXX-XXX  
0547JW

2463 208th, Ste. 205  
Torrance, CA 90501

Phone: (310)533-1455  
Fax: (310)533-1853

<http://www.mpsind.com>  
Email: [sales@mpsind.com](mailto:sales@mpsind.com)