

# SHIELDED SMD POWER INDUCTOR



## PS124 SERIES

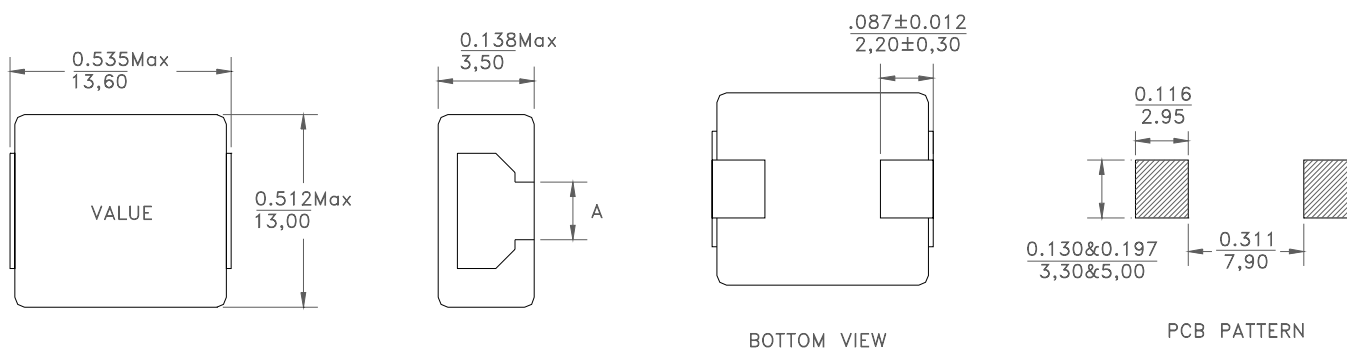


- High current inductor for Voltage Regulated Module (VRM)
- Good for DC/DC converter and switch-mode power supply applications
- High current in compact package
- Operating temperature: -55°C to +120°C
- RoHS Compliant Product

### ELECTRICAL PARAMETERS @ 25°C

| PART NUMBER | L<br>±20%<br>(μH) | I <sub>SAT</sub><br>(A)<br>Max | I <sub>RMS</sub><br>(A)<br>Max | DCR<br>(mΩ)<br>Max |
|-------------|-------------------|--------------------------------|--------------------------------|--------------------|
| PS124-      |                   |                                |                                |                    |
| R47M        | 0.47              | 39                             | 20.0                           | 1.5                |
| R60M        | 0.60              | 36                             | 18.5                           | 1.7                |
| R68M        | 0.68              | 34                             | 18.0                           | 2.5                |
| R82M        | 0.82              | 32                             | 17.0                           | 2.6                |
| 1R0M        | 1.00              | 30                             | 16.0                           | 2.9                |
| 1R5M        | 1.50              | 26                             | 14.5                           | 5.5                |
| 1R8M        | 1.80              | 25                             | 12.5                           | 7                  |
| 2R2M        | 2.20              | 22                             | 11.5                           | 8                  |
| 3R3M        | 3.30              | 15                             | 10.5                           | 13                 |
| 4R7M        | 4.70              | 12                             | 7.5                            | 15                 |
| 5R6M        | 5.60              | 11                             | 6.0                            | 22                 |
| 6R8M        | 6.80              | 10                             | 5.5                            | 26                 |
| 8R2M        | 8.20              | 9                              | 4.5                            | 29                 |
| 100M        | 10.0              | 7                              | 3.5                            | 35                 |

### Mechanical



UNIT = inch/mm  
 Unless otherwise specified, all tolerances are:  
 inch: .XX : ± 0.015 .XXX : ± 0.010  
 mm: X.X : ± 0.38 X,XX : ± 0.25

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

PS124-SERIES  
0852AL

2570 W. 237th Street, Suite B  
 Torrance, CA 90505

Tel: (310) 325-1043  
 Fax: (310) 325-1044

www.mpsind.com  
 sales@mpsind.com