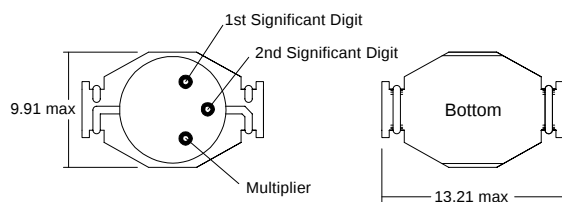


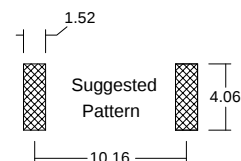
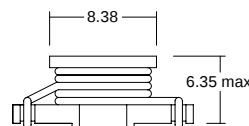
# Power Inductor - High Current (PSSL-0804HC Series)

**CALIBER**  
ELECTRONICS INC.  
specifications subject to change \* revision 3-2003

## Dimensions



(Not to scale)



Dimensions in mm

## Part Numbering Guide

|                   |                            |                                               |
|-------------------|----------------------------|-----------------------------------------------|
| Series            | PSSL - 0804 HC - R33 M - T | Packaging Style                               |
| HC = High Current |                            | B=Bulk<br>T=Tape & Reel<br>(700 pcs per reel) |
| Inductance Code   |                            | Tolerance<br>M=20%                            |

## Features

|                       |                             |
|-----------------------|-----------------------------|
| Inductance Range      | 0.33 $\mu$ H to 4.7 $\mu$ H |
| Available Tolerance   | M=20%                       |
| Operating Temperature | -40°C to 85°C               |

## Electrical Specifications

| Inductance Code | Inductance ( $\mu$ H $\pm$ 20%) | Test Frequency    | DCR Max (Ohms) | Isat <sup>1</sup> (A) | Irms <sup>2</sup> (A) |
|-----------------|---------------------------------|-------------------|----------------|-----------------------|-----------------------|
| R33             | 0.33                            | 100 kHz, 0.1 Vrms | 0.002          | 20.0                  | 16.0                  |
| R68             | 0.68                            | 100 kHz, 0.1 Vrms | 0.005          | 13.0                  | 12.0                  |
| 1R0             | 1.0                             | 100 kHz, 0.1 Vrms | 0.006          | 11.0                  | 10.0                  |
| 1R5             | 1.5                             | 100 kHz, 0.1 Vrms | 0.008          | 9.0                   | 9.0                   |
| 2R2             | 2.2                             | 100 kHz, 0.1 Vrms | 0.011          | 7.8                   | 7.4                   |
| 2R7             | 2.7                             | 100 kHz, 0.1 Vrms | 0.012          | 7.0                   | 6.6                   |
| 3R3             | 3.3                             | 100 kHz, 0.1 Vrms | 0.014          | 6.4                   | 5.9                   |
| 4R7             | 4.7                             | 100 kHz, 0.1 Vrms | 0.018          | 5.4                   | 4.8                   |
| 6R8             | 6.8                             | 100 kHz, 0.1 Vrms | 0.020          | 3.6                   | 5.0                   |
| 100             | 10.0                            | 100 kHz, 0.1 Vrms | 0.026          | 3.3                   | 4.3                   |

Notes:  
1) Inductance drop = 10% typ. At Isat  
2)  $\Delta$ T = 40°C typ. At Irms

Specifications subject to change without notice. Rev. 02/01

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