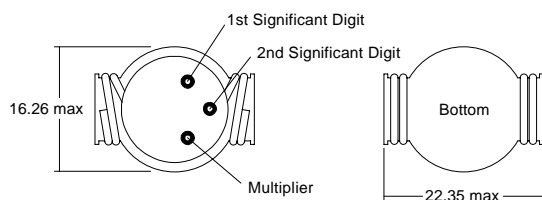


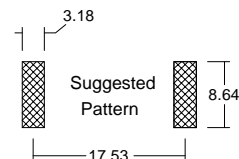
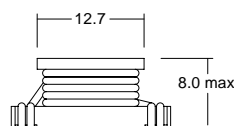
Power Inductor - High Current (PSSL-1306HC Series)

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

Dimensions



(Not to scale)



Dimensions in mm

Part Numbering Guide

| | | |
|-------------------|----------------------------|---|
| Series | PSSL - 1306 HC - R78 M - T | Packaging Style |
| HC = High Current | | B=Bulk T=Tape & Reel (250 pcs per reel) |
| Inductance Code | | Tolerance M=20% |

Features

| | |
|-----------------------|----------------------------|
| Inductance Range | 0.78 μ H to 15 μ H |
| Available Tolerance | M=20% |
| Operating Temperature | -40°C to 85°C |

Electrical Specifications

| Inductance Code | Inductance (μ H \pm 20%) | Test Frequency | DCR Max (m Ω) | SRF Typ (MHz) | Isat ¹ (A) | Irms ² (A) |
|-----------------|---------------------------------|-------------------|-----------------------|---------------|-----------------------|-----------------------|
| R78 | 0.78 | 100 kHz, 0.1 Vrms | 2.6 | 156 | 30 | 15 |
| 1R5 | 1.5 | 100 kHz, 0.1 Vrms | 4.0 | 100 | 25 | 15 |
| 2R2 | 2.2 | 100 kHz, 0.1 Vrms | 6.1 | 75 | 20 | 12 |
| 3R3 | 3.3 | 100 kHz, 0.1 Vrms | 8.6 | 60 | 17 | 10 |
| 3R9 | 3.9 | 100 kHz, 0.1 Vrms | 10 | 55 | 15 | 9.0 |
| 4R7 | 4.7 | 100 kHz, 0.1 Vrms | 14 | 40 | 13 | 8.4 |
| 6R0 | 6.0 | 100 kHz, 0.1 Vrms | 17 | 35 | 12 | 7.5 |
| 7R8 | 7.8 | 100 kHz, 0.1 Vrms | 18 | 35 | 11 | 7.5 |
| 100 | 10 | 100 kHz, 0.1 Vrms | 26 | 28 | 10 | 6.0 |
| 150 | 15 | 100 kHz, 0.1 Vrms | 32 | 20 | 8 | 4.4 |

- Notes:
- 1) Inductance drop = 10% typ. At Isat
 - 2) Δ T = 40°C typ. At Irms

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

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