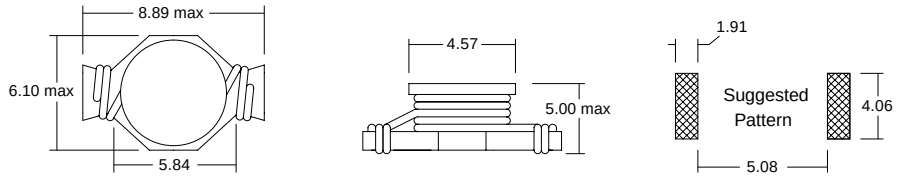
Power Inductor - High Current **(PSSL-0503HC Series)**

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

Dimensions



(Not to scale)

Dimensions in mm

Part Numbering Guide

PSSL - 0503 HC - R56 M - T

Series

HC = High Current

Inductance Code

Packaging Style
B=Bulk
T=Tape & Reel
(1000 pcs per reel)

Tolerance
M=20%

Features

Inductance Range	0.56 µH to 47 µH
Available Tolerance	M=20%
Operating Temperature	-40°C to 85°C

Electrical Specifications

Inductance Code	Inductance (µH ± 20%)	Test Frequency	DCR Max (mΩ)	SRF Typ (MHz)	Isat[1] (A)	Irms[2] (A)
R56	0.56	100 kHz, 0.25 Vrms	0.010	200	7.7	6.0
1R2	1.2	100 kHz, 0.25 Vrms	0.017	140	5.3	4.4
2R2	2.2	100 kHz, 0.25 Vrms	0.035	100	3.5	3.1
4R7	4.7	100 kHz, 0.25 Vrms	0.054	50	2.6	2.2
100	10	100 kHz, 0.25 Vrms	0.111	40	1.9	1.5
150	15	100 kHz, 0.25 Vrms	0.17	30	1.5	1.2
220	22	100 kHz, 0.25 Vrms	0.25	25	1.2	1.0
330	33	100 kHz, 0.25 Vrms	0.37	20	0.99	0.82
470	47	100 kHz, 0.25 Vrms	0.47	15	0.87	0.72

Notes:
1) Inductance drop = 30% typ. At Isat
2) △T = 40°C typ. At Irms