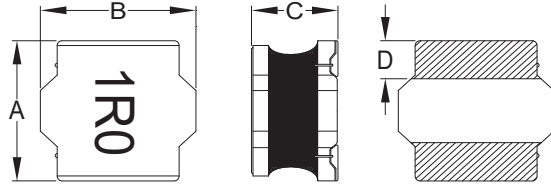
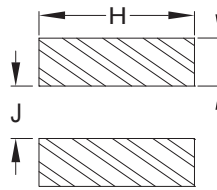




SMD SHIELDED HIGH CURRENT CHOKE PCSVLR65



Dimensions: $\frac{\text{inch}}{\text{(mm)}}$



Recommended PCB Layout



A	B	C	D	H	I	J
.236±.008 (6.0±0.2)	.236±.008 (6.0±0.2)	.177+.008/-0.012 (4.5+0.2/-0.3)	.071±.008 (1.8±0.3)	.224 (5.7)	.079 (2.0)	.094 (2.4)

Allied Part Number	Inductance (μH)	Tolerance (%)	Test Freq. KHz, 1V	DCR (mΩ) ±30%	Isat (A) Typ.	Isat (A) Max	Irms (A) Typ.	Irms (A) Max
PCSVLR65-1R0_-RC	1.0	M, N	100	12	12.2	10.98	6.5	5.85
PCSVLR65-1R2_-RC	1.2	M, N	100	13	10.6	9.50	5.9	5.30
PCSVLR65-1R5_-RC	1.5	M, N	100	15	10.4	9.36	5.9	5.31
PCSVLR65-1R8_-RC	1.8	M, N	100	17	9.6	8.64	5.6	5.04
PCSVLR65-2R2_-RC	2.2	M, N	100	18.4	8.8	7.92	5.1	4.59
PCSVLR65-2R3_-RC	2.3	M, N	100	19	8.8	7.92	5.0	4.50
PCSVLR65-3R0_-RC	3.0	M, N	100	22	7.8	7.02	4.4	3.96
PCSVLR65-3R3_-RC	3.3	M, N	100	24	7.5	6.75	4.3	3.87
PCSVLR65-3R6_-RC	3.6	M, N	100	24	7.5	6.75	4.3	3.87
PCSVLR65-3R9_-RC	3.9	M, N	100	26	7.0	6.30	4.0	3.60
PCSVLR65-4R5_-RC	4.5	M, N	100	31	6.7	6.03	3.9	3.51
PCSVLR65-4R7_-RC	4.7	M, N	100	31	6.7	6.03	3.9	3.51
PCSVLR65-5R1_-RC	5.1	M, N	100	33	6.0	5.40	3.5	3.15
PCSVLR65-5R6_-RC	5.6	M, N	100	40	5.5	4.95	3.3	2.97
PCSVLR65-6R3_-RC	6.3	M, N	100	40	5.5	4.95	3.3	2.97
PCSVLR65-6R8_-RC	6.8	M, N	100	43	5.3	4.77	3.2	2.88
PCSVLR65-8R2_-RC	8.2	M, N	100	53	4.6	4.10	2.9	2.60
PCSVLR65-100_-RC	10	M, N	100	57	4.5	4.05	2.7	2.43
PCSVLR65-150_-RC	15	M, N	100	80	3.4	3.06	2.2	1.98
PCSVLR65-180_-RC	18	M, N	100	100	3.1	2.79	1.8	1.62
PCSVLR65-220_-RC	22	M, N	100	125	3.0	2.70	1.9	1.71
PCSVLR65-270_-RC	27	M, N	100	160	2.5	2.25	1.3	1.17
PCSVLR65-330_-RC	33	M, N	100	165	2.3	2.07	1.4	1.26
PCSVLR65-470_-RC	47	M, N	100	245	1.9	1.71	1.2	1.08
PCSVLR65-560_-RC	56	M, N	100	310	1.7	1.50	1.1	0.99
PCSVLR65-680_-RC	68	M, N	100	330	1.6	1.44	1.0	0.90
PCSVLR65-101_-RC	100	M, N	100	500	1.3	1.17	0.80	0.72
PCSVLR65-221_-RC	220	M, N	100	1300	0.82	0.73	0.38	0.34
PCSVLR65-331_-RC	330	M, N	100	1800	0.70	0.63	0.35	0.31
PCSVLR65-102_-RC	1000	M, N	100	6000	0.40	0.36	0.22	0.19

Features

- Magnetically Shielded Construction
- Low Profile

Electrical

Inductance Range: 1.0μH ~ 1000μH
Tolerance: Available in 20% and 30%
Operating Temp: -55°C ~ +125°C
Isat: Current at which the Inductance will drop by no more than 30% of its initial value
Irms: Based on a temp rise of ΔT = 40°C from 25°C

Test Equipment

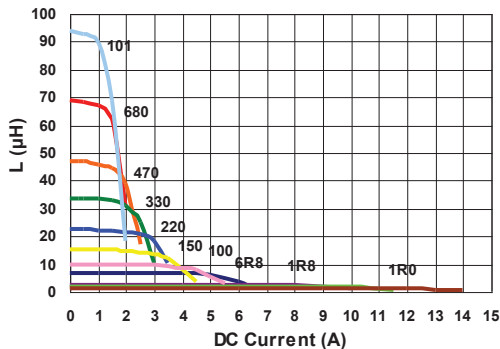
(L): Agilent HP4284A + HP42841A
DCR: Digital MilliOhm Meter
 Chroma 16502 or equivalent
Current: Agilent HP4284A

Physical

Packaging: 1K per Tape and reel
Marking: EIA Inductance Code.

All specifications subject to change without notice.
 Insert letter for desired tolerance: M=20%, N=30%.

Inductance vs. DC Current



Temperature Change vs. DC Current

