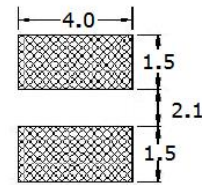


Recommended Pattern



Notes for LCV5040S shielded power inductor:
 Operating temperature range: - 55 °C to + 125 °C.
 Isat: for inductance drop 30 % from its value without current.
 Irms: for a 40 °C temperature rise from 25 °C ambient with current.
 Manufactured to current RoHS, Halogen-Free, & REACH compliance.

Measurement equipment: L [Agilent HP4284A + Agilent HP42841A, 100 KHz, 1.0 V], DCR [Chroma 16502 digital milliohm meter, or equivalent], Isat & Irms [Agilent HP4284A].
 Magnetically shielded construction.
 Packaging: 1.5K pcs per 13-inch reel.

Part Number	Inductance [μH]	Inductance Tolerance [± %]	Test Frequency [KHz]	DCR [mΩ] ± 30 %	Isat [A] Typ. [Max.]	Irms [A] Typ. [Max.]	Marking
LCV5040S-1R0	1.0	20, 30	100	14	7.5 [6.75]	4.60 [4.14]	1R0
LCV5040S-1R2	1.2	20, 30	100	15	7.4 [6.66]	4.50 [4.05]	1R2
LCV5040S-1R5	1.5	20, 30	100	16	7.1 [6.39]	4.40 [3.96]	1R5
LCV5040S-2R2	2.2	20, 30	100	21	5.7 [5.13]	3.70 [3.33]	2R2
LCV5040S-3R0	3.0	20, 30	100	26	4.8 [4.32]	3.50 [3.15]	3R0
LCV5040S-3R3	3.3	20, 30	100	26	4.8 [4.32]	3.50 [3.15]	3R3
LCV5040S-3R6	3.6	20, 30	100	31	4.2 [3.70]	3.30 [2.90]	3R6
LCV5040S-4R7	4.7	20, 30	100	32	4.2 [3.78]	3.20 [2.88]	4R7
LCV5040S-6R8	6.8	20, 30	100	50	3.3 [2.97]	2.40 [2.16]	6R8
LCV5040S-100	10	20, 30	100	60	2.8 [2.52]	2.20 [1.98]	100
LCV5040S-150	15	20, 30	100	90	2.3 [2.07]	1.80 [1.62]	150
LCV5040S-220	22	20, 30	100	135	1.8 [1.62]	1.40 [1.26]	220
LCV5040S-270	27	20, 30	100	180	1.6 [1.44]	1.20 [1.08]	270
LCV5040S-330	33	20, 30	100	190	1.5 [1.35]	1.10 [0.99]	330
LCV5040S-470	47	20, 30	100	310	1.2 [1.08]	0.90 [0.81]	470
LCV5040S-680	68	20, 30	100	540	1.0 [0.90]	0.78 [0.70]	680
LCV5040S-101	100	20, 30	100	800	0.7 [0.60]	0.60 [0.50]	101

Specify tolerance code suffix when ordering: M = ± 20 % / T = ± 30 %.

Test instrument: HP4284A Material / Impedance Analyzer

