



Dimensions in mm.

Notes for LCM3013 molded power inductor:
 Operating Temperature Range: - 55°C to + 125°C.
 Current Rating: At 85°C ambient, 40°C rise.
 Incremental Current: The current at which the inductance will decrease by a maximum of 5% from its initial 0 DC reading.

Inductance Tolerance: K = ± 10% over entire inductance range,
 J = ± 5% tolerance available by special order.
 Marking: Value on top surface.
 Packaging: Tape & reel, reel size = 1,500 pcs.
 Manufactured to RoHS compliance.

Part number	Inductance [μH ± 10%]	Q Minimum	Test Frequency [MHz]	SRF [[MHz] Min.	DC Resistance [Ω] Max.	Rated Current [mA] Max.
LCM3013-R10K	0.10	40	25	680	0.08	1350
LCM3013-R12K	0.12	40	25	640	0.09	1270
LCM3013-R15K	0.15	38	25	600	0.10	1200
LCM3013-R18K	0.18	35	25	550	0.12	1105
LCM3013-R22K	0.22	33	25	510	0.14	1025
LCM3013-R27K	0.27	33	25	430	0.16	960
LCM3013-R33K	0.33	30	25	410	0.22	815
LCM3013-R39K	0.39	30	25	365	0.30	700
LCM3013-R47K	0.47	30	25	330	0.35	650
LCM3013-R56K	0.56	30	25	300	0.50	545
LCM3013-R68K	0.68	28	25	275	0.60	495
LCM3013-R82K	0.82	28	25	250	0.85	415
LCM3013-1R0K	1.0	25	25	230	1.00	385
LCM3013-1R2K	1.2	25	7.9	150	0.18	590
LCM3013-1R5K	1.5	28	7.9	140	0.22	535
LCM3013-1R8K	1.8	30	7.9	125	0.30	455
LCM3013-2R2K	2.2	30	7.9	115	0.40	395
LCM3013-2R7K	2.7	37	7.9	100	0.55	355
LCM3013-3R3K	3.3	45	7.9	90	0.85	270
LCM3013-3R9K	3.9	45	7.9	80	1.0	250
LCM3013-4R7K	4.7	45	7.9	75	1.2	230
LCM3013-5R6K	5.6	50	7.9	65	1.8	185
LCM3013-6R8K	6.8	50	7.9	60	2.0	175
LCM3013-8R2K	8.2	55	7.9	55	2.7	155
LCM3013-100K	10	55	7.9	50	3.7	130
LCM3013-120K	12	45	2.5	40	2.7	155
LCM3013-150K	15	40	2.5	35	2.8	150
LCM3013-180K	18	50	2.5	30	3.1	145
LCM3013-220K	22	50	2.5	25	3.3	140
LCM3013-270K	27	50	2.5	20	3.5	135
LCM3013-330K	33	45	2.5	24	3.4	130
LCM3013-390K	39	45	2.5	22	3.6	125
LCM3013-470K	47	45	2.5	20	4.5	110
LCM3013-560K	56	45	2.5	18	5.7	100
LCM3013-680K	68	50	2.5	15	6.7	92
LCM3013-820K	82	50	2.5	14	7.3	88
LCM3013-101K	100	50	2.5	13	8	84
LCM3013-121K	120	30	0.79	12	13	66
LCM3013-151K	150	30	0.79	11	15	61
LCM3013-181K	180	30	0.79	10	17	57
LCM3013-221K	220	30	0.79	9.0	21	52
LCM3013-271K	270	30	0.79	8.0	25	47
LCM3013-331K	330	30	0.79	7.0	28	45
LCM3013-391K	390	30	0.79	6.5	35	40
LCM3013-471K	470	30	0.79	6.0	42	36
LCM3013-561K	560	30	0.79	5.0	46	35
LCM3013-681K	680	30	0.79	4.0	60	30
LCM3013-821K	820	30	0.79	3.8	65	29
LCM3013-102K	1000	30	0.79	3.4	72	28