



Notes for LCM5022 molded power inductor:
 Operating Temperature Range: - 55°C to + 125°C.
 Rated Current: Based on inductance change within 10% of initial value.
 Marking: Inductance value on top surface.
 Packaging: Tape & Reel, Reel Size = 800 pcs.

Inductance Tolerance: K = ± 10% over the entire inductance range, J = ± 5% available by special order.
 Testing: Inductance and Q tested with Q meter, Rated current and DCR tested with DCR meter.
 Manufactured to RoHS compliance.

Part number	Inductance [μH, ± 10%]	Test Frequency [MHz]	Q Min.	SRF Min. [MHz]	DC Resistance [Ω] Max.	Rated Current [mA] Max.
LCM5022-R10K	0.10	25	40	400	0.06	1360
LCM5022-R12K	0.12	25	40	400	0.06	1280
LCM5022-R15K	0.15	25	40	400	0.07	1200
LCM5022-R18K	0.18	25	40	400	0.07	1120
LCM5022-R22K	0.22	25	25	380	0.21	880
LCM5022-R27K	0.27	25	25	340	0.24	800
LCM5022-R33K	0.33	25	25	300	0.28	750
LCM5022-R39K	0.39	25	25	280	0.32	680
LCM5022-R47K	0.47	25	25	250	0.36	650
LCM5022-R56K	0.56	25	25	230	0.41	600
LCM5022-R68K	0.68	25	25	210	0.47	550
LCM5022-R82K	0.82	25	45	172	0.17	980
LCM5022-1R0K	1.0	25	45	157	0.19	920
LCM5022-1R2K	1.2	7.9	50	144	0.21	880
LCM5022-1R5K	1.5	7.9	50	131	0.23	830
LCM5022-1R8K	1.8	7.9	55	121	0.25	790
LCM5022-2R2K	2.2	7.9	55	110	0.28	750
LCM5022-2R7K	2.7	7.9	60	100	0.30	720
LCM5022-3R3K	3.3	7.9	65	94	0.34	670
LCM5022-3R9K	3.9	7.9	65	86	0.37	640
LCM5022-4R7K	4.7	7.9	70	80	0.39	620
LCM5022-5R6K	5.6	7.9	70	74	0.43	590
LCM5022-6R8K	6.8	7.9	75	68	0.48	550
LCM5022-8R2K	8.2	7.9	80	53	0.52	530
LCM5022-100K	10	7.9	85	45	0.58	500
LCM5022-120K	12	2.5	75	34	0.63	480
LCM5022-150K	15	2.5	70	20	0.72	460
LCM5022-180K	18	2.5	65	14	0.77	430
LCM5022-220K	22	2.5	60	9.9	0.80	410
LCM5022-270K	27	2.5	55	7.6	0.94	390
LCM5022-330K	33	2.5	55	6.3	1.03	370
LCM5022-390K	39	2.5	50	6.3	1.12	350
LCM5022-470K	47	2.5	45	6.3	1.22	340
LCM5022-560K	56	2.5	40	6.2	1.34	320
LCM5022-680K	68	2.5	40	5.7	1.47	305



Part number	Inductance [μ H, \pm 10%]	Test Frequency [MHz]	Q Min.	SRF Min. [MHz]	DC Resistance [Ω] Max.	Rated Current [mA] Max.
LCM5022-820K	82	2.5	35	5.3	1.62	290
LCM5022-101K	100	2.5	30	4.8	1.80	275
LCM5022-121K	120	0.79	70	3.8	3.70	185
LCM5022-151K	150	0.79	70	3.5	4.20	175
LCM5022-181K	180	0.79	70	3.3	4.60	165
LCM5022-221K	220	0.79	70	3.0	5.10	155
LCM5022-271K	270	0.79	65	2.8	5.80	145
LCM5022-331K	330	0.79	65	2.6	6.40	137
LCM5022-391K	390	0.79	65	2.4	7.00	133
LCM5022-471K	470	0.79	60	2.25	7.70	126
LCM5022-561K	560	0.79	60	2.10	8.50	120
LCM5022-681K	680	0.79	55	1.95	9.40	113
LCM5022-821K	820	0.79	55	1.85	10.5	100
LCM5022-102K	1000	0.79	50	1.40	14.0	100