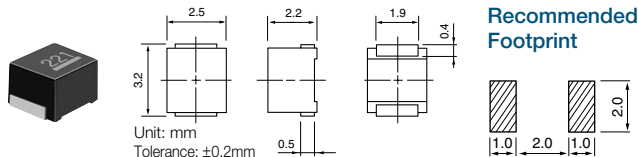
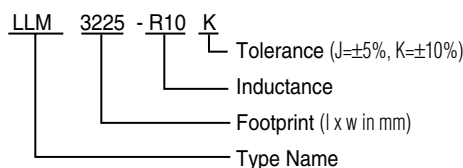


The TOKO LLM3225 Series is a wirewound ferrite core chip inductor that conforms to the EIA standard 1210 footprint, is suitable for general-purpose signal line applications, and available in a wide inductance range.



Features

- Inductance range: 0.1-1000 μ H
- EIA standard 1210 footprint (3.2mm x 2.5mm)
- Inductance tolerance: $\pm 5\%$, $\pm 10\%$
- Operating temperature: -40°C to $+85^{\circ}\text{C}$
- Packaged on tape and reel in 2,000 piece quantity
- Reflow solderable



Test Conditions: Inductance and Q: HP4291A (Test Fixture HP16192A) [Lo < 100 μ H]. SRF: HP8753E. RDC: TR6871 or equiv. HP4291A (Test Fixture HP16034E) [Lo \geq 100 μ H].

Rated DC Current: The maximum allowable DC current (IDC) is that which causes a 10% inductance reduction from the initial value or coil temperature to rise by 20 $^{\circ}\text{C}$, whichever is smaller. (Reference ambient temperature 20 $^{\circ}\text{C}$.)

TYPE LLM3225

TOKO Part Number	Inductance		Q (min.)	Test Frequency MHz	DC Resistance (Ω) max.	Rated DC Current (mA) max.	Self Resonant Frequency (MHz) min.
	Lo (μ H)	Tolerance *					
LLM3225-R10_*	0.10	J, K	35	25.2	0.20	600	540
LLM3225-R12_*	0.12	J, K	35	25.2	0.20	580	480
LLM3225-R15_*	0.15	J, K	35	25.2	0.20	560	420
LLM3225-R18_*	0.18	J, K	35	25.2	0.25	540	380
LLM3225-R22_*	0.22	J, K	35	25.2	0.30	520	320
LLM3225-R27_*	0.27	J, K	35	25.2	0.30	500	260
LLM3225-R33_*	0.33	J, K	35	25.2	0.35	480	230
LLM3225-R39_*	0.39	J, K	35	25.2	0.40	460	200
LLM3225-R47_*	0.47	J, K	35	25.2	0.40	440	170
LLM3225-R56_*	0.56	J, K	35	25.2	0.45	420	150
LLM3225-R68_*	0.68	J, K	35	25.2	0.50	400	130
LLM3225-R82_*	0.82	J, K	35	25.2	0.55	380	110
LLM3225-1R0_*	1.0	J, K	35	7.96	0.50	370	140
LLM3225-1R2_*	1.2	J, K	35	7.96	0.55	350	120
LLM3225-1R5_*	1.5	J, K	35	7.96	0.60	330	100
LLM3225-1R8_*	1.8	J, K	35	7.96	0.65	315	95
LLM3225-2R2_*	2.2	J, K	35	7.96	0.70	300	90
LLM3225-2R7_*	2.7	J, K	35	7.96	0.80	280	80
LLM3225-3R3_*	3.3	J, K	35	7.96	0.90	265	70
LLM3225-3R9_*	3.9	J, K	30	7.96	1.0	250	60
LLM3225-4R7_*	4.7	J, K	30	7.96	1.2	240	55
LLM3225-5R6_*	5.6	J, K	30	7.96	1.4	230	50
LLM3225-6R8_*	6.8	J, K	30	7.96	1.6	220	45
LLM3225-8R2_*	8.2	J, K	30	7.96	1.8	210	40
LLM3225-100_*	10	J, K	30	2.52	1.7	220	27
LLM3225-120_*	12	J, K	30	2.52	1.9	200	23
LLM3225-150_*	15	J, K	30	2.52	2.2	180	20
LLM3225-180_*	18	J, K	30	2.52	2.5	160	18
LLM3225-220_*	22	J, K	30	2.52	2.8	140	16
LLM3225-270_*	27	J, K	30	2.52	4.2	120	15
LLM3225-330_*	33	J, K	30	2.52	4.8	110	14
LLM3225-390_*	39	J, K	30	2.52	5.4	100	13
LLM3225-470_*	47	J, K	30	2.52	6.0	95	12
LLM3225-560_*	56	J, K	30	2.52	7.0	90	11
LLM3225-680_*	68	J, K	30	2.52	8.0	85	10
LLM3225-820_*	82	J, K	30	2.52	9.0	80	9
LLM3225-101_*	100	J, K	20	0.796	9.0	70	9
LLM3225-121_*	120	J, K	20	0.796	10.0	65	8
LLM3225-151_*	150	J, K	20	0.796	11.0	60	7
LLM3225-181_*	180	J, K	20	0.796	12.0	55	6.5
LLM3225-221_*	220	J, K	20	0.796	20.0	45	6
LLM3225-271_*	270	J, K	20	0.796	23.0	43	5.5
LLM3225-331_*	330	J, K	20	0.796	26.0	40	5
LLM3225-391_*	390	J, K	20	0.796	29.0	35	4.5
LLM3225-471_*	470	J, K	20	0.796	32.0	31	4
LLM3225-561_*	560	J, K	20	0.796	50.0	28	3.6
LLM3225-681_*	680	J, K	20	0.796	55.0	25	3.3
LLM3225-821_*	820	J, K	20	0.796	60.0	22	3
LLM3225-102_*	1000	J, K	10	0.252	70.0	19	2.5

* Add tolerance to part number: J = $\pm 5\%$ or K = $\pm 10\%$ Note: Add P2 to part number for tape and reel.