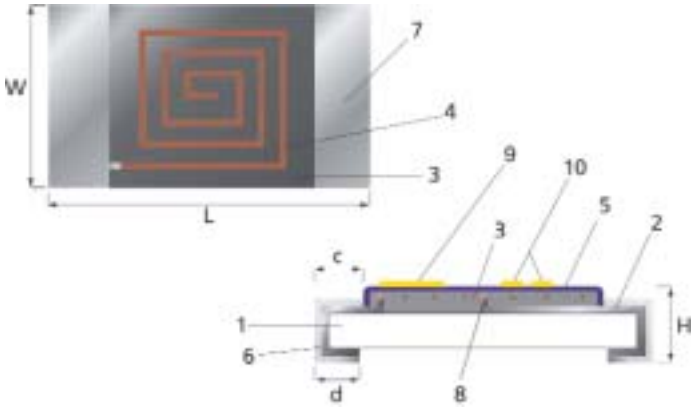
THIN FILM
CHIP INDUCTOR
KL73



STRUCTURE

1 Ceramic substrate
2 Cross electrode
3 Polymide insulated film
4 Cu thin film coil pattern
5 Epoxy protection film
6 Ni barrier
7 Solder plating
8 Veer hole
9 Direction mark
10 Marking

IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
KL73 1E	Dark blue	direction mark
KL73 1J, 2A		2 digits & direction mark
KL73 2B		3 digits & direction mark

TYPE DESIGNATION (HOW TO ORDER)

Old Part No.	KL73	2B	C		TE	2N7	
New Part No.	KL73	2B		L	TE	2N7	C
	PRODUCT CODE	STYLE	INDUCTANCE TOLERANCE	TERMINATION SURFACE MATERIAL T: Sn L: Sn/Pb	TAPING*	NOMINAL INDUCTANCE	INDUCTANCE TOLERANCE

*Please see "PACKAGING"

FEATURES

- Special thin-film multi-layer technology realizes low DCR and high Q
- High SRF and excellent characteristics for high frequency
- Suitable for reflow and wave soldering
- Low tolerance ± 2% availabe
- Small size allows high density mounting (0402 ... 1206)
- Operating temperature range: - 40° C ... + 85° C
- Suitable for automobile telephone, cordless phones, pagers and other telecommunication equipment
- Lab Kit availabe

DIMENSIONS (mm)

SIZE	TYPE	L	W	c	d	H
0402	KL73 1E	1.0 ± 0.1	0.5 ± 0.05	0.15 ± 0.1	0.25 ± 0.1	0.35 ± 0.05
0603	KL73 1J	1.6 ± 0.2	0.8 ± 0.1	0.3 ± 0.1	0.3 ± 0.1	0.5 ± 0.1
0805	KL73 2A	2.0 ± 0.2	1.25 ± 0.2	0.4 ± 0.2	0.3 ± 0.2	0.5 ± 0.1
1206	KL73 2B	3.2 ± 0.2	1.6 ± 0.2	0.5 ± 0.2	0.4 $^{+0.2}_{-0.1}$	0.6 ± 0.1

RATING

TYPE	MARKING	NOMINAL INDUCTANCE	INDUCTANCE TOLERANCE	QUALITY FACTOR (MIN.)	SELF-RESONANT FREQUENCY (MIN.)	DC RESISTANCE (MAX.)	ALLOWABLE DC CURRENT (MAX.)	MEASURING FREQUENCY
KL73 1E TP N56	—	0.56 nH	B (± 0.1 nH)	7	14000 MHz	0.10 Ω	700 mA	500 MHz
KL73 1E TP N68	—	0.68 nH						
KL73 1E TP N82	—	0.82 nH						
KL73 1E TP 1N0	—	1.0 nH	C (± 0.2 nH)	10	12000 MHz	0.15 Ω		
KL73 1E TP 1N2	—	1.2 nH						
KL73 1E TP 1N5	—	1.5 nH			10000 MHz	0.20 Ω		
KL73 1E TP 1N8	—	1.8 nH						
KL73 1E TP 2N2	—	2.2 nH			8000 MHz	0.25 Ω	650 mA	
KL73 1E TP 2N7	—	2.7 nH						
KL73 1E TP 3N3	—	3.3 nH			6000 MHz	0.30 Ω	600 mA	
KL73 1E TP 3N9	—	3.9 nH				0.50 Ω	550 mA	
KL73 1E TP 4N7	—	4.7 nH			5000 MHz		500 mA	
KL73 1E TP 5N6	—	5.6 nH	G (± 2%) J (± 5%)			1.00 Ω	450 mA	
KL73 1E TP 6N8	—	6.8 nH			4000 MHz		350 mA	
KL73 1E TP 8N2	—	8.2 nH			3000 MHz			
KL73 1E TP 10N	—	10 nH			2500 MHz	1.50 Ω	300 mA	
KL73 1E TP 12N	—	12 nH					250 mA	
KL73 1E TP 15N	—	15 nH			2000 MHz	2.00 Ω	200 mA	
KL73 1E TP 18N	—	18 nH		7	1500 MHz	3.00 Ω	150 mA	200 MHz
KL73 1E TP 22N	—	22 nH				5.00 Ω		
KL73 1E TP 27N	—	27 nH						
KL73 1E TP 33N	—	33 nH			1000 MHz			

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TYPE	MARKING	NOMINAL INDUCTANCE	INDUCTANCE TOLERANCE	Q- FACTOR (MIN.)	SELF-RESONANT FREQUENCY(MIN.)	DC RESISTANCE (MAX.)	ALLOWABLE DC CURRENT(MAX.)	MEASURING FREQUENCY
KL73 1J TE 1N0	L1	1.0 nH	C (± 0.2 nH)	10	13000 MHz	0.10 Ω	650 mA	500 MHz
KL73 1J TE 1N2	L2	1.2 nH		15				
KL73 1J TE 1N5	L3	1.5 nH		20	10000 MHz			
KL73 1J TE 1N8	L4	1.8 nH						
KL73 1J TE 2N2	22	2.2 nH			8000 MHz	0.15 Ω	450 mA	
KL73 1J TE 2N7	27	2.7 nH						
KL73 1J TE 3N3	33	3.3 nH			6000 MHz	0.25 Ω	350 mA	
KL73 1J TE 3N9	39	3.9 nH						
KL73 1J TE 4N7	47	4.7 nH			5000 MHz	0.50 Ω		
KL73 1J TE 5N6	56	5.6 nH		25	5000 MHz	0.50 Ω	350 mA	
KL73 1J TE 6N8	68	6.8 nH			4000 MHz			
KL73 1J TE 8N2	82	8.2 nH			3000 MHz			
KL73 1J TE 10N	10	10 nH			2500 MHz	1.00 Ω	250 mA	
KL73 1J TE 12N	12	12 nH						
KL73 1J TE 15N	15	15 nH			2000 MHz			
KL73 1J TE 18N	H1	18 nH	G (±2%) J (±5%)	10	1500 MHz	1.50 Ω	200 mA	200 MHz
KL73 1J TE 22N	H2	22 nH			1000 MHz	2.50 Ω	150 mA	
KL73 1J TE 27N	H3	27 nH						
KL73 1J TE 33N	H4	33 nH						
KL73 1J TE 39N	H5	39 nH					120 mA	
KL73 1J TE 47N	H6	47 nH			600 MHz	4.00 Ω		
KL73 1J TE 56N	H7	56 nH				4.50 Ω	100 mA	
KL73 1J TE 68N	H8	68 nH						
KL73 1J TE 82N	H9	82 nH				5.00 Ω		
KL73 2A TE 1N0	1.0	1.0 nH	C (±0.2 nH)	20	13000 MHz	0.25 Ω	900 mA	500 MHz
KL73 2A TE 1N2	1.2	1.2 nH						
KL73 2A TE 1N5	1.5	1.5 nH			10000 MHz			
KL73 2A TE 1N8	1.8	1.8 nH		25	9000 MHz			
KL73 2A TE 2N2	2.2	2.2 nH			8000 MHz		800 mA	
KL73 2A TE 2N7	2.7	2.7 nH						
KL73 2A TE 3N3	3.3	3.3 nH			6000 MHz			
KL73 2A TE 3N9	3.9	3.9 nH						
KL73 2A TE 4N7	4.7	4.7 nH			5000 MHz	0.50 Ω	700 mA	
KL73 2A TE 5N6	5.6	5.6 nH	G (±2%) J (±5%)		4500 MHz			
KL73 2A TE 6N8	6.8	6.8 nH			4000 MHz		500 mA	
KL73 2A TE 8N2	8.2	8.2 nH			3000 MHz			
KL73 2A TE 10N	10	10 nH			2500 MHz	1.00 Ω	400 mA	
KL73 2A TE 12N	12	12 nH						
KL73 2A TE 15N	15	15 nH			2000 MHz		300 mA	
KL73 2A TE 18N	18	18 nH		20	1500 MHz			
KL73 2A TE 22N	22	22 nH			1000 MHz	1.50 Ω	250 mA	200 MHz
KL73 2A TE 27N	27	27 nH		15				
KL73 2A TE 33N	33	33 nH					200 mA	
KL73 2A TE 39N	39	39 nH			800 MHz			
KL73 2A TE 47N	47	47 nH						
KL73 2A TE 56N	56	56 nH		10	700 MHz	4.00 Ω	150 mA	
KL73 2A TE 68N	68	68 nH				5.00 Ω		
KL73 2A TE 82N	82	82 nH			600 MHz			
KL73 2B TE 2N2	2N2	2.2 nH	C (±0.2 nH)	25	9000 MHz	0.25 Ω	1000 mA	500 MHz
KL73 2B TE 2N7	2N7	2.7 nH			7000 MHz			
KL73 2B TE 3N3	3N3	3.3 nH			6000 MHz			
KL73 2B TE 3N9	3N9	3.9 nH		35	5000 MHz		900 mA	
KL73 2B TE 4N7	4N7	4.7 nH			4500 MHz	0.50 Ω		
KL73 2B TE 5N6	5N6	5.6 nH	G (±2%) J (±5%)		4000 MHz			
KL73 2B TE 6N8	6N8	6.8 nH			3500 MHz		800 mA	
KL73 2B TE 8N2	8N2	8.2 nH			3000 MHz			
KL73 2B TE 10N	10N	10 nH		40	2500 MHz			
KL73 2B TE 12N	12N	12 nH						
KL73 2B TE 15N	15N	15 nH			2000 MHz	1.00 Ω	500 mA	
KL73 2B TE 18N	18N	18 nH						
KL73 2B TE 22N	22N	22 nH			1500 MHz			
KL73 2B TE 27N	27N	27 nH		25	1000 MHz	2.00 Ω	400 mA	200 MHz
KL73 2B TE 33N	33N	33 nH						
KL73 2B TE 39N	39N	39 nH						
KL73 2B TE 47N	47N	47 nH						
KL73 2B TE 56N	56N	56 nH		15	500 MHz		200 mA	
KL73 2B TE 68N	68N	68 nH						
KL73 2B TE 82N	82N	82 nH			400 MHz			
KL73 2B TE 100	100	100 nH						