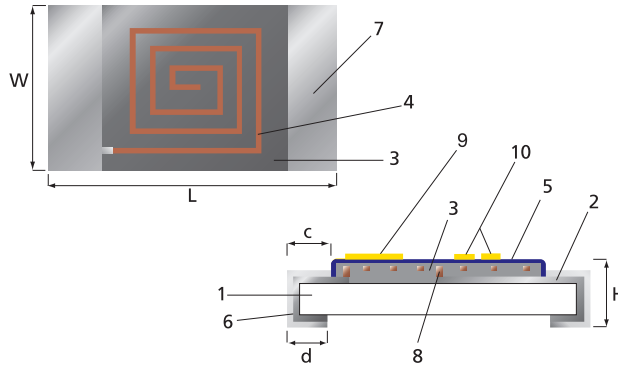


**THIN FILM
CHIP INDUCTOR
KL73**



STRUCTURE

- 1 Ceramic substrate
- 2 Cross electrode
- 3 Polyimide insulated film
- 4 Cu thin film coil pattern
- 5 Epoxy protection film
- 6 Ni barrier
- 7 Solder plating
- 8 Via 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

Products with Pb-free terminations meet EU-RoHS and China-RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

KL73	2B	T	TE	2N7	C
PRODUCT CODE	STYLE	TERMINATION SURFACE MATERIAL	TAPING*	NOMINAL INDUCTANCE	INDUCTANCE TOLERANCE
	1E: 0402 1J: 0603 2A: 0805 2B: 1206	T: Sn (L: Sn/Pb)	TP, TE, BK <small>*Please see "PACKAGING"</small>	(see "RATING" table)	B, C, G, J

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS

FEATURES

- Special thin-film multi-layer technology realizes low DCR and high Q
- High SRF and excellent characteristics for high frequency
- Better tolerances and lower height than multilayer inductors
- Small size allows high density mounting (0402 ... 1206)
- Suitable for automobile telephone, cordless phones, pagers and other telecommunication equipment
- Parts are tested according to AEC-Q200 requirements
- Operating temperature range: - 40° C ... +125° C
- Suitable for reflow and wave soldering

DIMENSIONS (mm)

SIZE (inch)	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 B	—	0.56 nH	B (± 0.1 nH)	7	14000 MHz	0.10 Ω	700 mA	500 MHz
KL73 1E □ TP N68 B	—	0.68 nH						
KL73 1E □ TP N82 B	—	0.82 nH						
KL73 1E □ TP 1N0 □	—	1.0 nH	B (± 0.1 nH)	10	12000 MHz	0.15 Ω		
KL73 1E □ TP 1N2 □	—	1.2 nH						
KL73 1E □ TP 1N5 □	—	1.5 nH						
KL73 1E □ TP 1N8 □	—	1.8 nH	C (± 0.2 nH)	7	10000 MHz	0.20 Ω		
KL73 1E □ TP 2N2 □	—	2.2 nH						
KL73 1E □ TP 2N7 □	—	2.7 nH						
KL73 1E □ TP 3N3 □	—	3.3 nH	G (± 2%)	10	8000 MHz	0.25 Ω	650 mA	
KL73 1E □ TP 3N9 □	—	3.9 nH						
KL73 1E □ TP 4N7 □	—	4.7 nH						
KL73 1E □ TP 5N6 □	—	5.6 nH	J (± 5%)	7	6000 MHz	0.30 Ω	600 mA	
KL73 1E □ TP 6N8 □	—	6.8 nH						
KL73 1E □ TP 8N2 □	—	8.2 nH						
KL73 1E □ TP 10N □	—	10 nH	G (± 2%)	10	5000 MHz	0.50 Ω	550 mA	
KL73 1E □ TP 12N □	—	12 nH						
KL73 1E □ TP 15N □	—	15 nH						
KL73 1E □ TP 18N □	—	18 nH	J (± 5%)	7	4000 MHz	1.00 Ω	450 mA	
KL73 1E □ TP 22N □	—	22 nH						
KL73 1E □ TP 27N □	—	27 nH						
KL73 1E □ TP 33N □	—	33 nH	G (± 2%)	7	3000 MHz	1.50 Ω	300 mA	
			J (± 5%)	7	2500 MHz	2.00 Ω	200 mA	
			J (± 5%)	7	2000 MHz	3.00 Ω	150 mA	
			J (± 5%)	7	1500 MHz	5.00 Ω	150 mA	
			J (± 5%)	7	1000 MHz	5.00 Ω	150 mA	

□ Enter the code for termination surface material (T, L)

□ Enter the code for inductance tolerance (B, C, G, J)

TP = 10.000 pcs/7" reel

* Special inductance values on request

Contact our sales representatives before you use our products for applications including automobiles, medical equipment and aerospace equipment. Malfunction or failure of the products in such applications may cause loss of human life or serious damage.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order/use.