

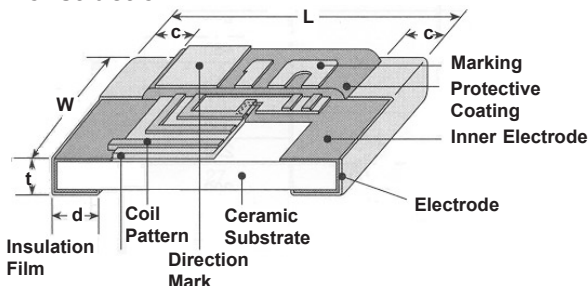
Surface Mount Thin Film Inductors KL73 Series, Specifications



Part Number Determination

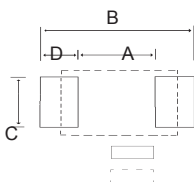
KL73ALTE4N7J					
KL73	2A	L	TE	4N7	J
SERIES	SIZE	TERMINATION	PACKAGING	INDUCTANCE	TOLERANCE
Thin Film Inductor	1E=0402 1J=0603 2A=0805 2B=1206	L=SnPb (Tin/Lead) T=Sn (100% Tin)	TP=2mm pitch, 7" embossed plastic tape (10,000/reel - 0402 only) TE=7" embossed plastic tape (4000/reel)	4N7=4.7nH 47N=47nH	B=±0.1nH C=±0.2nH G=±2% J=±5%

Construction



Land Pattern (mm)

Size	Component Size	A	B	C	D
1E(0402)	1.0X0.5	0.5	1.5	0.6	0.5
1J(0603)	1.6X0.8	0.8	2.6	0.8	0.9
2A(0805)	2.0X1.25	1.2	3.0	1.2	0.9



Package Dimensions (in/mm)

	L	W	c	d	t
1E (0402)	.039±.004 1.0±0.1	.02±.002 0.5±0.05	.006±.004 0.15±0.1	.01±.004 0.25±0.1	.014±.002 0.35±0.05
1J (0603)	.063±.008 1.6±0.2	.031±.004 0.8±0.1	.012±.004 0.3±0.1	.012±.004 0.3±0.1	.02±.004 0.5±0.1
2A (0805)	.079±.008 2.0±0.2	.049±.008 1.25±0.2	.016±.008 0.4±0.2	.012±.004 0.3±0.1	.02±.004 0.5±0.1

Marking (0603)

Inductance	1.0	1.2	1.5	1.8	2.2	2.7	3.3	3.9	4.7	5.6	6.8	8.2	10	12	15	18	22	27	33	39	47	56	68	82
Marking	L1	L2	L3	L4	22	27	33	39	47	56	68	82	10	12	15	H1	H2	H3	H4	H5	H6	H7	H8	H9

Electrical Characteristics (0402)

Part Number	Inductance nH	Inductance Tolerance (%)	Quality Factor (min)	SRF MHz (min)	DC Res Ω (max)	Allowable Current (mA max.)	Meas. Freq. Mhz
KL731ETTP1N0	1.0	C(±0.2nH)	10	12000	0.15	700	500
KL731ETTP1N2	1.2			10000	0.20		
KL731ETTP1N5	1.5						
KL731ETTP1N8	1.8			8000	0.25	650	
KL731ETTP2N2	2.2				6000	0.30	
KL731ETTP2N7	2.7			5000		0.50	
KL731ETTP3N3	3.3				1.00	500	
KL731ETTP3N9	3.9			4000		450	
KL731ETTP4N7	4.7				3000	350	
KL731ETTP5N6	5.6			G(±2%) J(±5%)		7	
KL731ETTP6N8	6.8	2000	2.00		250		
KL731ETTP8N2	8.2				1500		5.00
KL731ETTP10N	10	1000					
KL731ETTP12N	12						
KL731ETTP15N	15						
KL731ETTP18N	18						
KL731ETTP22N	22						
KL731ETTP27N	27						
KL731ETTP33N	33						

Electrical Characteristics (0603)

Part Number	Inductance nH	Inductance Tolerance (%)	Quality Factor (min)	SRF MHz (min)	DC Res Ω (max)	Allowable Current (mA max.)	Meas Freq. Mhz	
KL731JTE1N0	1.0	C(±0.2nH)	10	13000	0.10	650	500	
KL731JTE1N2	1.2		15					
KL731JTE1N5	1.5		20	10000				
KL731JTE1N8	1.8							
KL731JTE2N2	2.2			8000	0.15	450		
KL731JTE2N7	2.7			6000	0.25			
KL731JTE3N3	3.3		G(±2%) J(±5%)	25	5000	0.50		350
KL731JTE5N6	5.6				4000			
KL731JTE6N8	6.8	3000						
KL731JTE8N2	8.2	2500			1.0	250		
KL731JTE10N	10	2000						
KL731JTE12N	12	10		1500	1.50	200	200	
KL731JTE15N	15			1000	2.50	150		
KL731JTE18N	18			600				4.00
KL731JTE22N	22		4.50					
KL731JTE27N	27				5.00			
KL731JTE33N	33							
KL731JTE39N	39							
KL731JTE47N	47							
KL731JTE56N	56							
KL731JTE68N	68							
KL731JTE82N	82							

Surface Mount Thin Film Inductors
KL73 Series, Specifications, Pricing, & Kits



Electrical Characteristics (0805)

Part Number	Inductance nH	Inductance Tolerance (%)	Quality Factor (min)	SRF MHz (min)	DC Res Ω (max)	Allowable Current (mA max.)	Meas. Freq. Mhz
KL732ATE1N0	1.0	C (±0.2nH)	20	13000	0.25	900	500
KL732ATE1N2	1.2			10000			
KL732ATE1N5	1.5			9000			
KL732ATE1N8	1.8		25	8000		800	
KL732ATE2N2	2.2			6000			
KL732ATE2N7	2.7			5000	0.50		
KL732ATE3N3	3.3			4500		500	
KL732ATE3N9	3.9			4000			
KL732ATE4N7	4.7			G (±2%) J (±5%)	25	3000	
KL732ATE5N6	5.6	2500	300				
KL732ATE6N8	6.8	2000					
KL732ATE8N2	8.2	20	1500		1.50	250	
KL732ATE10N	10		15			1000	200
KL732ATE12N	12					800	
KL732ATE15N	15	10	700		5.00	150	
KL732ATE18N	18		600				
KL732ATE22N	22						
KL732ATE27N	27						
KL732ATE33N	33						
KL732ATE39N	39						
KL732ATE47N	47						
KL732ATE56N	56						
KL732ATE68N	68						
KL732ATE82N	82						

Marking (0805)

Inductance: 1.0nH - 8.2nH
Ex: 2.2nH=2.2
Inductance: 10nH - 82nH
Ex: 15nH=15

