

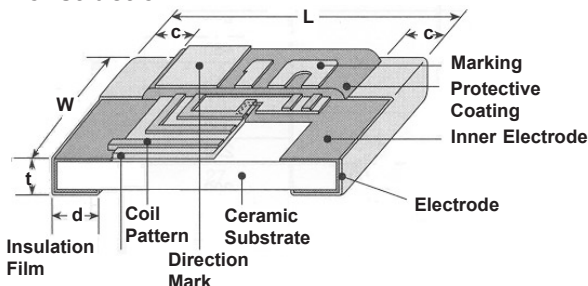
Surface Mount Thin Film Inductors
KL73 Series, Specifications



Part Number Determination

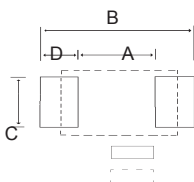
KL732ALTE4N7J					
KL73	2A	L	TE	4N7	J
SERIES	SIZE	TERMINATION	PACKAGING	INDUCTANCE	TOLERANCE
Thin Film Inductor	1E=0402 1J=0603 2A=0805 2B=1206	L=SnPb (Tin/Lead) T=Sn (100% Tin)	TP=2mm pitch, 7" embossed plastic tape (10,000/reel - 0402 only) TE=7" embossed plastic tape (4000/reel)	4N7=4.7nH 47N=47nH	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				0.30	600		
KL731ETTP2N7	2.7			6000				
KL731ETTP3N3	3.3			5000	0.50	550		
KL731ETTP3N9	3.9				1.00	500		
KL731ETTP4N7	4.7			4000		450		
KL731ETTP5N6	5.6			G(±2%) J(±5%)	7	3000		1.50
KL731ETTP6N8	6.8	2500	2.00			250		
KL731ETTP8N2	8.2					200		
KL731ETTP10N	10							
KL731ETTP12N	12	1500	5.00			150		
KL731ETTP15N	15					1000		
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	0.15	450	
KL731JTE1N8	1.8						
KL731JTE2N2	2.2			8000	0.25	350	
KL731JTE2N7	2.7						
KL731JTE3N3	3.3		25	6000	1.0	250	
KL731JTE3N9	3.9						
KL731JTE4N7	4.7	G(±2%) J(±5%)		5000	1.50	200	200
KL731JTE5N6	5.6						
KL731JTE6N8	6.8		4000	120			
KL731JTE8N2	8.2				3000	100	
KL731JTE10N	10	10	2500	4.00			
KL731JTE12N	12				600	4.50	
KL731JTE15N	15		1500	5.00			
KL731JTE18N	18				1000	2.50	
KL731JTE22N	22	600	4.00				
KL731JTE27N	27			100	2.50		
KL731JTE33N	33	600	4.00				
KL731JTE39N	39			100	2.50		
KL731JTE47N	47	600	4.00				
KL731JTE56N	56			100	2.50		
KL731JTE68N	68	600	4.00				
KL731JTE82N	82			100	2.50		



• Go to www.garrettelec.com
• Enter part number or find by description
• Select "S", select "manufacturer's specifications"

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	700		
KL732ATE3N3	3.3			4500		500		
KL732ATE3N9	3.9			4000				
KL732ATE4N7	4.7			3000		1.00		400
KL732ATE5N6	5.6	G (±2%) J (±5%)	25	2500	1.00			300
KL732ATE6N8	6.8			2000				
KL732ATE8N2	8.2			1500				
KL732ATE10N	10		20	1000	1.50	250	200	
KL732ATE12N	12			15		800		200
KL732ATE15N	15							
KL732ATE18N	18		10	700	5.00	150		
KL732ATE22N	22			600				
KL732ATE27N	27							
KL732ATE33N	33		10	700	4.00	150		
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

