



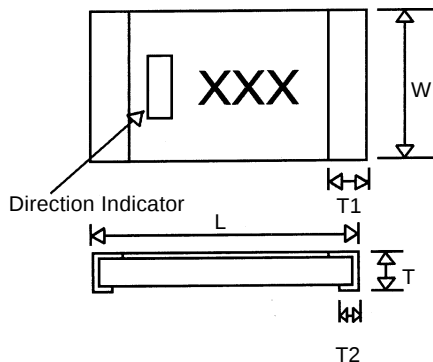
THIN FILM CHIP INDUCTOR

- Excellent High Frequency Applications
- Suitable for Reflow & Wave Soldering
- Low Tolerance $\pm 2\%$ Available
- Small Size Allows for High Density Mounting (0402, 0805, 1206, 0603)
- Yellow Three-Figure Marking on Blue Protective Coating

DIMENSIONS

PART MARKING	VALUE (nH) 2.2 - 8.2	VALUE (nH) 10 - 47
2A	Ex. = 2.2 = 2.2nH	Ex. = 15 = 15nH
2B	Ex. = 2N2 = 2.2nH	Ex. = 15N = 15nH

DIMENSIONS	L	W	T	T1	T2
1E(mm)	1.0 $\pm$ 0.1	0.5 $\pm$ 0.05	0.35 $\pm$ 0.05	0.15 $\pm$ 0.1	0.25 $\pm$ 0.1
(in)	0.039 $\pm$ 0.001	0.019 $\pm$ 0.002	0.014 $\pm$ 0.002	0.006 $\pm$ 0.004	0.009 $\pm$ 0.004
1J (mm)	1.6 $\pm$ 0.2	0.8 $\pm$ 0.1	0.5 $\pm$ 0.1	0.3 $\pm$ 0.2	0.3 $\pm$ 0.2-0.1
(in)	0.063 $\pm$ 0.008	0.031 $\pm$ 0.004	0.02 $\pm$ 0.004	0.012 $\pm$ 0.008	0.012 $\pm$ 0.008-0.004
2A (mm)	2.0 $\pm$ 0.2	1.25 $\pm$ 0.2	0.5 $\pm$ 0.1	0.4 $\pm$ 0.2	0.3 $\pm$ 0.2-0.1
(in)	0.08 $\pm$ 0.008	0.05 $\pm$ 0.008	0.02 $\pm$ 0.004	0.015 $\pm$ 0.008	0.012 $\pm$ 0.008-0.004
2B (mm)	3.2 $\pm$ 0.2	1.6 $\pm$ 0.2	0.6 $\pm$ 0.1	0.5 $\pm$ 0.2	0.4 $\pm$ 0.2-0.1
(in)	0.125 $\pm$ 0.008	0.063 $\pm$ 0.008	0.024 $\pm$ 0.004	0.02 $\pm$ 0.008	0.015 $\pm$ 0.008-0.004



PART 1J (nH)	MARKING
1.0	L1
1.2	L2
1.5	L3
1.8	L4
2.2	22
2.7	27
3.3	33
3.9	39
4.7	47
5.6	56
6.8	68
8.2	82
10	10
12	12
15	15
18	H1
22	H2
27	H3
33	H4
39	H5
47	H6
56	H7
68	H8
82	H9

ORDERING & SPECIFYING INFORMATION*

KL73

Type

2A

Size Code

1E: 0402
1J: 0603
2A: 0805
2B: 1206

TE

Packaging

TE: Embossed Plastic
4000 pcs/reel
T: Paper for 0402
only

4N7

Nominal Inductance

4N7 : 4.7nH
47N : 47nH

G

Tolerance

C: $\pm 0.2\text{nH}$
G: $\pm 2\%$
J: $\pm 5\%$

*Please Note: KSE's Part Numbers Do Not Contain any Spaces or Hyphens.

STANDARD APPLICATIONS

TYPE	Ind. (nH)	Inductance Tolerance (%)	Quality Factor (min)	SRF Mhz (min)	DC. Res Ω (max)	Allowable Current (mA max.)	Meas. Freq. Mhz	
KL731ET1N0	1.0	C (±0.2nH)	10	12000	0.15	700	500	
KL731ET1N2	1.2			10000	0.20			
KL731ET1N5	1.5				8000	0.25		650
KL731ET1N8	1.8					6000		
KL731ET2N2	2.2			5000				0.50
KL731ET2N7	2.7				4000	1.00		500
KL731ET3N3	3.3			3000				1.50
KL731ET3N9	3.9				2500	2.00		
KL731ET4N7	4.7	G (±2%)	7	2000			200	200
KL731E55N6	5.6				1500	3.00		
KL731ET6N8	6.8			5.00			150	
KL731ET8N2	8.2				J (±5%)	20		
KL731ET10N	10	10000	0.15	450				
KL731ET12N	12						8000	0.25
KL731ET15N	15	6000	0.50	250				
KL731ET18N	18				5000	1.0	200	
KL731ET22N	22	4000	1.50	200				
KL731ET27N	27				3000	2.00	150	
KL731JTE1N0	1.0	C (±0.2nH)	20	10				0.10
KL731JTE1N2	1.2				15	0.15		
KL731JTE1N5	1.5			10000			0.25	450
KL731JTE1N8	1.8				8000	0.50		
KL731JTE2N2	2.2			6000			1.0	250
KL731JTE2N7	2.7				5000	1.50		
KL731JTE3N3	3.3			4000			2.00	150
KL731JTE3N9	3.9				3000	2.50		
KL731JTE4N7	4.7	G (±2%) J (±5%)	25	2500			1.0	250
KL731JTE5N6	5.6				1500	1.50		
KL731JTE6N8	6.8			1000			2.50	
KL731JTE8N2	8.2				600	4.00		
KL731JTE10N	10	4.50	100					
KL731JTE12N	12			5.00	100			
KL731JTE15N	15	10	1500			1.50	200	
KL731JTE18N	18			1000	2.50			150
KL731JTE22N	22	600	4.00			120		
KL731JTE27N	27			4.50	100			
KL731JTE33N	33	5.00	100					
KL731JTE39N	39			10	1500	1.50	200	
KL731JTE47N	47	600	2.50					150
KL731JTE56N	56			4.00	100			
KL731JTE68N	68	4.50	100					
KL731JTE82N	82			5.00	100			

STANDARD APPLICATIONS continued

TYPE	Ind. (nH)	Inductance Tolerance (%)	Quality Factor (min)	SRF Mhz (min)	DC. Res Ω (max)	Allowable Current (mA max.)	Meas. Freq. Mhz
KL732ATE1N0	1.0	C ($\pm 0.2\text{nH}$)	20	13000	0.25	900	500
KL732ATE1N2	1.2			10000			
KL732ATE1N5	1.5		9000	800			
KL732ATE1N8	1.8						
KL732ATE2N2	2.2		25	6000	700		
KL732ATE2N7	2.7					5000	
KL732ATE3N3	3.3			4500			
KL732ATE3N9	3.9				4000		
KL732ATE4N7	4.7	G ($\pm 2\%$) J ($\pm 5\%$)		2500		400	
KL732ATE5N6	5.6				2000		300
KL732ATE6N8	6.8			1500			
KL732ATE8N2	8.2				20	1000	250
KL732ATE10N	10		15	800			
KL732ATE12N	12				10	700	150
KL732ATE15N	15		600				
KL732ATE18N	18			25	9000	0.25	1000
KL732ATE22N	22	7000					
KL732ATE27N	27		6000	5000	900		
KL732ATE33N	33	4500				800	
KL732ATE39N	39		4000	500			
KL732ATE47N	47	3500					
KL732ATE56N	56		3000				
KL732ATE68N	68	25		2500	500		
KL732ATE82N	82		2000				
KL732BTE2N2	2.2	C ($\pm 0.2\text{nH}$)		25	9000	0.25	1000
KL732BTE2N7	2.7		7000				
KL732BTE3N3	3.3		6000				
KL732BTE3N9	3.9		5000				
KL732BTE4N7	4.7		35	4500	0.50	800	
KL732BTE5N6	5.6			4000			
KL732BTE6N8	6.8		3500	1.00	500		
KL732BTE8N2	8.2					3000	
KL732BTE10N	10	G ($\pm 2\%$) J ($\pm 5\%$)	40	2500	2.00		400
KL732BTE12N	12			2000			
KL732BTE15N	15		1500	200			
KL732BTE18N	18		25			1000	
KL732BTE22N	22			15	500		
KL732BTE27N	27		400				
KL732BTE33N	33			25	1000		
KL732BTE39N	39		15			400	
KL732BTE47N	47	500					
KL732BTE56N	56		400				
KL732BTE68N	68	200					
KL732BTE82N	82		400				
KL732BTE100	100	400					