



## Surface Mount Molded Wirewound Inductors

- *UL94V0 molded epoxy case suitable for reflow and wave soldering*
- *High Q value achieved by wirewound structure*
- *1210 size - surface mount style*
- *RoHS compliant*



### KL32 Series Specifications

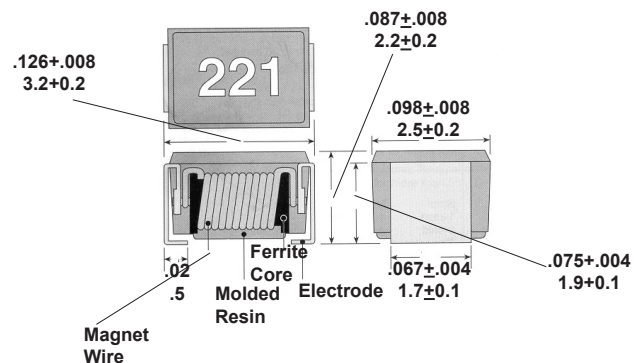
#### Part Number Determination

KL32TTE101J					
KL	32	T	TE	101	J
SERIES	SIZE	TERMINATION	PKGING	INDUCTANCE	TOL.
Molded Wirewound Inductor	32=1210	L=SnPb (Tin/Lead) C=SnCu (Tin/Copper) T=Sn (100% Tin)	TE=7"/embossed plastic tape TED=10"/embossed plastic tape	R12=0.12uH 3R9=3.9uH 101=100uH	J=±5% K=±10% M=±20

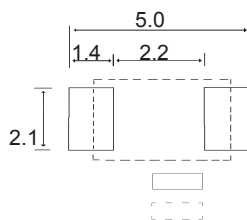
#### Marking

Value	Marking Code
0.005uH - 0.083uH	005 - 082
0.10uH - 8.2uH	R10 - 8R2 R indicates decimal point
10uH - 330uH	100 - 331 1st 2 figures are significant, the last figure indicates the number of zeros to follow.

#### Construction & Dimensions (in/mm)



#### Land Pattern (mm)



(specifications continued on following page)

Engineering Design Kits Available  
See Garrett Kit Catalog



# Surface Mount Molded Wirewound Inductors



## KL32 Series Specifications

### Electrical Characteristics

Part Number	Case Size	Ind. uH	Inductance Tolerance	Quality Factor min. MHz	SRF min (MHz)	DC Res. Max (Ω)	Allowable DC Current (mA max)	Meas. Freq. Mhz	
KL32TE005*	1210	0.005	M: ±20%	11	2700	0.12	450	100	
KL32TE010*		0.010	K: ±10% M: ±20%	15	2500	0.13			
KL32TE012*		0.012		17	2300	0.14			
KL32TE015*		0.015		19	2100	0.16			
KL32TE018*		0.018		21	1900	0.18			
KL32TE022*		0.022		23	1700	0.20			
KL32TE027*		0.027		J: ±5% K: ±10% M: ±20%	25	1500			0.22
KL32TE033*		0.033			25	1400			0.24
KL32TE039*		0.039			26	1300			0.27
KL32TE047*		0.047				1200			0.30
KL32TE056*		0.056			1100	0.33			
KL32TE068*		0.068	27		1000	0.36			
KL32TE082*		0.082			900	0.40			
KL32TER10*		0.10	28		700	0.44			
KL32TER12*		0.12		500	0.22				
KL32TER15*		0.15		450	0.25				
KL32TER18*		0.18		400	0.28				
KL32TER22*		0.22		350	0.32				
KL32TER27*		0.27		320	0.36				
KL32TER33*		0.33		300	0.40				
KL32TER39*		0.39		250	0.45				
KL32TER47*		0.47		220	0.50				
KL32TER56*		0.56		180	0.55				
KL32TER68*		0.68	160	0.60					
KL32TER82*		0.82	140	0.65					
KL32TE1R0*		1.0	30	120	0.70	400	7.96		
KL32TE1R2*		1.2		100	0.75	390			
KL32TE1R5*		1.5		85	0.85	370			
KL32TE1R8*	1.8	80		0.90	350				
KL32TE2R2*	2.2	75		1.0	320				
KL32TE2R7*	2.7	70		1.1	290				
KL32TE3R3*	3.3	60		1.2	260				
KL32TE3R9*	3.9	55		1.3	250				
KL32TE4R7*	4.7	50		1.5	220				
KL32TE5R6*	5.6	47		1.6	200				
KL32TE6R8*	6.8	43		1.8	180				
KL32TE8R2*	8.2	40		2.0	170				
KL32TE100*	10	36		2.1	150				
KL32TE120*	12	33		2.5	140				
KL32TE150*	15	30	2.8	130					
KL32TE180*	18	27	3.3	120					
KL32TE220*	22	25	3.7	110					
KL32TE270*	27	20	5.0	80					
KL32TE330*	33	17	5.6	70					
KL32TE390*	39	16	6.4	65					
KL32TE470*	47	15	7.0	60					
KL32TE560*	56	13	8.0	55					
KL32TE680*	68	12	9.0	50					
KL32TE820*	82	11	10	45					
KL32TE101*	100	10	10	40					
KL32TE121*	120	10	11	70					
KL32TE151*	150	8	15	65					
KL32TE181*	180	7	17	60					
KL32TE221*	220	7	21	50					
KL32TE271*	270	6	28						
KL32TE331*	330	5	34						
KL32TE101*	1210	100	J: ±5% K: ±10% M: ±20%	20	10	40	0.796		
KL32TE121*		120		10	11	70			
KL32TE151*		150		8	15	65			
KL32TE181*	180	7	17	60					
KL32TE221*	220	7	21	50					
KL32TE271*	270	6	28	50					
KL32TE331*	330	5	34	50					