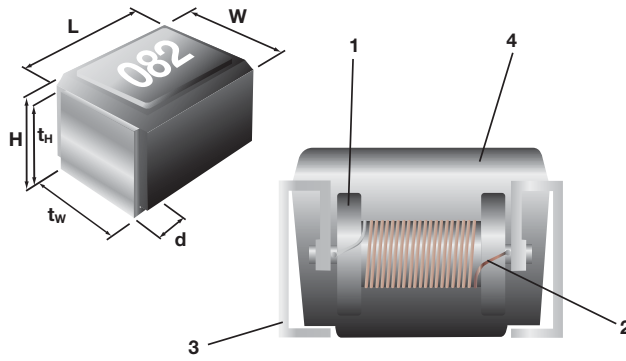
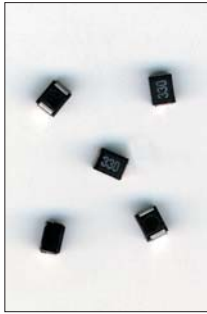


**FERRITE CORE
WIREWOUND MOLDED
CHIP INDUCTOR
LFC32 KL32¹⁾**



STRUCTURE

- 1 Ferrite core
- 2 Winding wire
- 3 Terminal (copper base)
- 4 Molded resin



IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
LFC32 / KL32	Black	Silver 3 digit Inductance Code

Products with Pb-free terminations meet RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

Old Part No.	LFC32 (KL32) ¹⁾	J	TE	R56	
New Part No. (Pb-free)	LFC32 (KL32) ¹⁾	C	TE	R56	J
PRODUCT CODE	TERMINATION SURFACE MATERIAL	INDUCTANCE TOLERANCE	TAPING* TE, BK	NOMINAL INDUCTANCE 3 digits (Unit: μH)	INDUCTANCE TOLERANCE
	C: SnCu L: Sn/Pb		*Please see "PACKAGING"		J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$

¹⁾ Type indication KL32 or LFC32 depends on measuring equipment only

FEATURES

- Excellent heat resistance and mechanical strength due to molded resin
- Wide inductance range due to five different ferrite materials
- Surface mount style with a footprint of „1210”
- Wide range of applications (video cameras, mobile communications, car electronics, computer systems etc.)
- Operating temperature range: $-40^{\circ}\text{C} \dots +100^{\circ}\text{C}$
- Suitable for reflow, wave and iron soldering
- Lab Kit available

DIMENSIONS (mm)

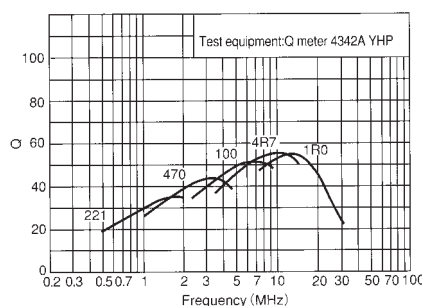
PRODUCT CODE	L	W	H	t _w	t _H	d(nom)
LFC32	3.2 ± 0.2	2.5 ± 0.2	2.2 ± 0.2	1.7 ± 0.1	1.9 ± 0.1	0.5

INDUCTANCE MEASURING EQUIPMENT

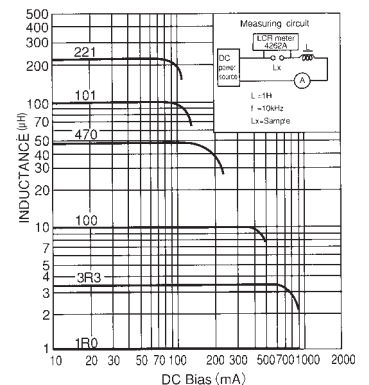
PRODUCT CODE	INDUCTANCE RANGE	EQUIPMENT
LFC 32	0.005 μH ... 0.10 μH 0.12 μH ... 330 μH	Impedance analyser HP 4191 A Q meter HP 4342 A
KL 32	0.005 μH ... 8.2 μH 10 μH ... 330 μH	Impedance analyser HP 4191 A Impedance analyser HP 4192 A

CHARACTERISTICS

Q vs. FREQUENCY



DC BIAS



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

FERRITE CORE WIREWOUND MOLDED CHIP INDUCTOR LFC32 KL32¹⁾

RATING

TYPE	NOMINAL INDUCTANCE	INDUCTANCE TOLERANCE	QUALITY FACTOR (MIN.)	SELF-RESONANT FREQUENCY (MIN.)	DC RESISTANCE (MAX.)	ALLOWABLE DC CURRENT (MAX.)	MEASURING FREQUENCY	
LFC32 □ TE 005 M	0.005 μH	M (±20%)	11	2700 MHz	0.12 Ω	450 mA	100 MHz	
LFC32 □ TE 010 □	0.010 μH	K (±10%) M (±20%)	15	2500 MHz	0.13 Ω			
LFC32 □ TE 012 □	0.012 μH		17	2300 MHz	0.14 Ω			
LFC32 □ TE 015 □	0.015 μH		19	2100 MHz	0.16 Ω			
LFC32 □ TE 018 □	0.018 μH		21	1900 MHz	0.18 Ω			
LFC32 □ TE 022 □	0.022 μH		23	1700 MHz	0.20 Ω			
LFC32 □ TE 027 □	0.027 μH			1500 MHz	0.22 Ω			
LFC32 □ TE 033 □	0.033 μH			1400 MHz	0.24 Ω			
LFC32 □ TE 039 □	0.039 μH			1300 MHz	0.27 Ω			
LFC32 □ TE 047 □	0.047 μH			26	1200 MHz			0.30 Ω
LFC32 □ TE 056 □	0.056 μH				1100 MHz			0.33 Ω
LFC32 □ TE 068 □	0.068 μH			27	1000 MHz			0.36 Ω
LFC32 □ TE 082 □	0.082 μH				900 MHz			0.40 Ω
LFC32 □ TE R10 □	0.10 μH			28	700 MHz			0.44 Ω
LFC32 □ TE R12 □	0.12 μH				500 MHz		0.22 Ω	
LFC32 □ TE R15 □	0.15 μH	450 MHz		450 MHz	0.25 Ω			
LFC32 □ TE R18 □	0.18 μH			400 MHz	0.28 Ω			
LFC32 □ TE R22 □	0.22 μH			350 MHz	0.32 Ω			
LFC32 □ TE R27 □	0.27 μH			320 MHz	0.36 Ω			
LFC32 □ TE R33 □	0.33 μH		300 MHz	300 MHz	0.40 Ω			
LFC32 □ TE R39 □	0.39 μH			250 MHz	0.45 Ω			
LFC32 □ TE R47 □	0.47 μH		220 MHz	220 MHz	0.50 Ω			
LFC32 □ TE R56 □	0.56 μH			180 MHz	0.55 Ω			
LFC32 □ TE R68 □	0.68 μH		160 MHz	160 MHz	0.60 Ω			
LFC32 □ TE R82 □	0.82 μH			140 MHz	0.65 Ω			
LFC32 □ TE 1R0 □	1.0 μH		120 MHz	120 MHz	0.70 Ω			
LFC32 □ TE 1R2 □	1.2 μH			100 MHz	0.75 Ω			
LFC32 □ TE 1R5 □	1.5 μH		85 MHz	85 MHz	0.85 Ω			
LFC32 □ TE 1R8 □	1.8 μH			80 MHz	0.90 Ω			
LFC32 □ TE 2R2 □	2.2 μH	75 MHz	75 MHz	1.0 Ω				
LFC32 □ TE 2R7 □	2.7 μH		70 MHz	1.1 Ω				
LFC32 □ TE 3R3 □	3.3 μH	60 MHz	60 MHz	1.2 Ω				
LFC32 □ TE 3R9 □	3.9 μH		55 MHz	1.3 Ω				
LFC32 □ TE 4R7 □	4.7 μH	50 MHz	50 MHz	1.5 Ω				
LFC32 □ TE 5R6 □	5.6 μH		47 MHz	1.6 Ω				
LFC32 □ TE 6R8 □	6.8 μH	43 MHz	43 MHz	1.8 Ω				
LFC32 □ TE 8R2 □	8.2 μH		40 MHz	2.0 Ω				
LFC32 □ TE 100 □	10 μH	36 MHz	36 MHz	2.1 Ω				
LFC32 □ TE 120 □	12 μH		33 MHz	2.5 Ω				
LFC32 □ TE 150 □	15 μH	30 MHz	30 MHz	2.8 Ω				
LFC32 □ TE 180 □	18 μH		27 MHz	3.3 Ω				
LFC32 □ TE 220 □	22 μH	25 MHz	25 MHz	3.7 Ω				
LFC32 □ TE 270 □	27 μH		20 MHz	5.0 Ω				
LFC32 □ TE 330 □	33 μH	17 MHz	17 MHz	5.6 Ω				
LFC32 □ TE 390 □	39 μH		16 MHz	6.4 Ω				
LFC32 □ TE 470 □	47 μH	15 MHz	15 MHz	7.0 Ω				
LFC32 □ TE 560 □	56 μH		13 MHz	8.0 Ω				
LFC32 □ TE 680 □	68 μH	12 MHz	12 MHz	9.0 Ω				
LFC32 □ TE 820 □	82 μH		11 MHz	10 Ω				
LFC32 □ TE 101 □	100 μH	10 MHz	10 MHz	11 Ω				
LFC32 □ TE 121 □	120 μH		8 MHz	15 Ω				
LFC32 □ TE 151 □	150 μH	8 MHz	8 MHz	17 Ω				
LFC32 □ TE 181 □	180 μH		7 MHz	21 Ω				
LFC32 □ TE 221 □	220 μH	6 MHz	6 MHz	28 Ω				
LFC32 □ TE 271 □	270 μH		5 MHz	34 Ω				
LFC32 □ TE 331 □	330 μH	5 MHz	5 MHz	34 Ω				

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

INDUCTORS

□ Enter the code for termination surface material (C, L) □ Enter the code for inductance tolerance (J, K, M)

¹⁾ Type Indication KL32 or LFC32 depends on measuring equipment only

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

KOA Speer:

[KL32CTE3R3J](#) [KL32CTE3R9J](#) [KL32CTER39J](#) [KL32CTER33J](#) [KL32CTER56J](#) [KL32CTE2R2J](#) [KL32CTE221J](#)
[KL32CTE2R7J](#) [KL32CTER18J](#) [KL32CTE220J](#) [KL32CTER10J](#) [KL32CTER12J](#) [KL32CTER82J](#) [KL32CTER47J](#)
[KL32CTE270J](#) [KL32CTE331J](#) [KL32CTER27J](#) [KL32CTER22J](#) [KL32CTER68J](#) [KL32CTE680J](#) [KL32CTE5R6J](#)
[KL32CTE6R8J](#) [KL32CTE8R2J](#) [KL32CTE820J](#) [KL32TTER33K](#) [KL32TTE1R8J](#) [KL32TTE180J](#) [KL32TTER56J](#)
[KL32TTE150J](#) [KL32TTE5R6J](#) [KL32TTE1R0K](#) [KL32TTE005M](#) [KL32TTE010K](#) [KL32TTE015K](#) [KL32TTE018K](#)
[KL32TTE022K](#) [KL32TTE027K](#) [KL32TTE033J](#) [KL32TTE039J](#) [KL32TTE047J](#) [KL32TTE056J](#) [KL32TTE068J](#)
[KL32TTE082J](#) [KL32TTE121J](#) [KL32TTE181J](#) [KL32TTE1R2J](#) [KL32TTE1R5J](#) [KL32TTE220J](#) [KL32TTE270J](#)
[KL32TTE271J](#) [KL32TTE330J](#) [KL32TTE331J](#) [KL32TTE3R9J](#) [KL32TTER10J](#) [KL32TTER15J](#) [KL32TTER18J](#)
[KL32TTER22J](#) [KL32TTER27J](#) [KL32TTER39J](#) [KL32TTER47J](#) [KL32TTER68J](#) [KL32TTER82J](#) [KL32LTE039J](#)
[KL32LTE101K](#) [KL32LTE047J](#) [KL32LTER68K](#) [KL32LTE018K](#) [KL32LTE056J](#) [KL32LTER22K](#) [KL32LTE2R7J](#)
[KL32LTE082J](#) [KL32LTE120J](#) [KL32LTE5R6J](#) [KL32LTE100J](#) [KL32LTE270J](#) [KL32LTER10J](#) [KL32LTE560J](#)
[KL32LTE005M](#) [KL32TTE3R3K](#) [KL32CTE047J](#) [KL32CTE1R5J](#) [KL32CTE120J](#) [KL32CTE1R8J](#) [KL32CTE1R0J](#)
[KL32CTE082J](#) [KL32CTE181J](#) [KL32CTE180J](#) [KL32CTE100J](#) [KL32CTE101J](#) [KL32CTE068J](#) [KL32CTE150J](#)
[KL32CTE151J](#) [KL32CTE056J](#) [KL32CTE015K](#) [KL32CTE4R7J](#) [KL32CTE470J](#) [KL32CTE100K](#) [KL32CTE101K](#)
[KL32CTE121K](#) [KL32CTE150K](#)