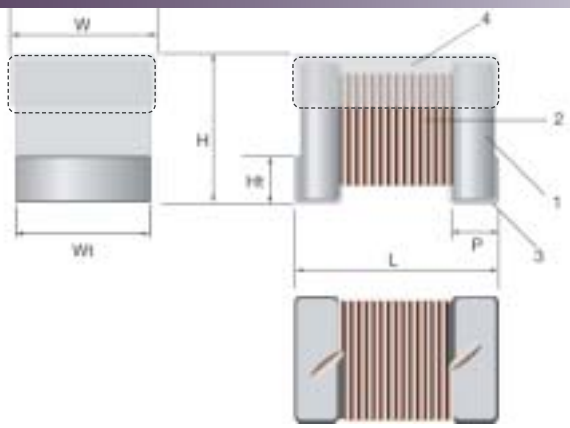
KOA TECHNOLOGY OF TOMORROW

AIR CORE
WIREWOUND CHIP INDUCTOR
KQ 0402 NEW



STRUCTURE

1 Ceramic core
2 Winding wire
3 Electrode (Ag/Pd + Ni + Sn/Pb)
4 Acrylic Acid Resin

IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
KQ0402	None	None

TYPE DESIGNATION (HOW TO ORDER)

Old Part No.	KQ0402	J		TD	10N		
New Part No.	KQ0402		L	TD	10N	J	
	PRODUCT CODE	TOLERANCE	TERMINATION SURFACE MATERIAL T: Sn L: Sn/Pb	TAPING*	NOMINAL INDUCTANCE	INDUCTANCE TOLERANCE	

*Please see "PACKAGING"

FEATURES

- Small chip inductors of air-core (wirewound type)
- High Q and high self-resonant frequency
- Excellent mountability, solderability and high reliablity
- Suitable for high-frequency circuits in telecommunication equipment and mobile phones
- Operating temperature range: - 40° C ... + 125° C
- Flat top suitable for high speed mounting
- Suitable for reflow soldering
- Lab Kit available

DIMENSIONS (mm)

PRODUCT CODE	L	W	H	Wt	Ht	P
KQ0402	1.1 ± 0.1	0.55 ± 0.1	0.55 ± 0.1	0.5 ± 0.1	0.15 ± 0.1	0.25 ± 0.1

RATING

TYPE	NOMINAL INDUCTANCE	INDUCTANCE TOLERANCE	QUALITY FACTOR (MIN.)	SELF-RESONANT FREQUENCY (MIN.)	DC RESISTANCE (MAX.)	ALLOWABLE DC CURRENT (MAX.)	L/Q-MEASURING FREQUENCY
KQ0402 TD 1N0	1.0 nH	J (± 5%) K (± 10%)	16	6000 MHz	0.045 Ω	1360 mA	250 MHz
KQ0402 TD 2N0	2.0 nH				0.070 Ω	1040 mA	
KQ0402 TD 2N2	2.2 nH		19			960 mA	
KQ0402 TD 3N3	3.3 nH				0.066 Ω	840 mA	
KQ0402 TD 3N6	3.6 nH						
KQ0402 TD 3N9	3.9 nH			5800 MHz			
KQ0402 TD 5N1	5.1 nH		20		0.083 Ω	800 mA	
KQ0402 TD 5N6	5.6 nH					760 mA	
KQ0402 TD 6N2	6.2 nH						
KQ0402 TD 7N5	7.5 nH		22		0.104 Ω	680 mA	
KQ0402 TD 8N2	8.2 nH			4400 MHz			
KQ0402 TD 9N0	9.0 nH			4160 MHz			
KQ0402 TD 10N	10 nH		21	3900 MHz	0.195 Ω	480 mA	
KQ0402 TD 11N	11 nH		24	3680 MHz	0.120 Ω	640 mA	
KQ0402 TD 12N	12 nH			3600 MHz			
KQ0402 TD 15N	15 nH			3280 MHz	0.172 Ω	560 mA	
KQ0402 TD 19N	19 nH			3040 MHz	0.202 Ω	480 mA	
KQ0402 TD 23N	23 nH			2720 MHz	0.214 Ω	400 mA	
KQ0402 TD 27N	27 nH			2480 MHz	0.298 Ω		
KQ0402 TD 36N	36 nH			2320 MHz	0.560 Ω	320 mA	
KQ0402 TD 40N	40 nH			2240 MHz	0.620 Ω		
KQ0402 TD 47N	47 nH		20	2100 MHz	0.830 Ω	150 mA	
KQ0402 TD 56N	56 nH		25	2800 MHz	1.170 Ω	200 mA	