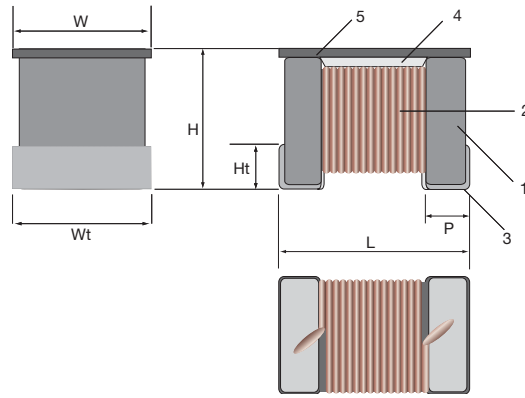


## AIR CORE WIREWOUND CHIP INDUCTOR KQT 0402



### STRUCTURE

- 1 Ceramic core
- 2 Winding wire
- 3 Electrode (Ag/Pd + Ni + Solder)
- 4 Inner coat
- 5 Flat top film

### IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
KQT0402	Clear	None

### TYPE DESIGNATION (HOW TO ORDER)

KQT0402	L	TD	10N	J
PRODUCT CODE	TERMINATION SURFACE MATERIAL T: Sn L: Sn/Pb	TAPING* TD: 4mm pitch punch paper BK: bulk <small>*Please see "PACKAGING"</small>	NOMINAL INDUCTANCE	INDUCTANCE TOLERANCE

### FEATURES

- Small chip inductors of air-core (wirewound type)
- High Q and high self-resonant frequency
- Excellent mountability, solderability and high reliability
- 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
KQT0402	1.0 ± 0.1	0.5 ± 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	
KQT0402 TD 1N0	1.0 nH	C (± 0.2 nH)	16	6000 MHz	0.045 Ω	1360 mA	250 MHz	
KQT0402 TD 2N0	2.0 nH				0.070 Ω	1040 mA		
KQT0402 TD 2N2	2.2 nH				0.066 Ω	960 mA		
KQT0402 TD 3N3	3.3 nH				0.083 Ω	840 mA		
KQT0402 TD 3N6	3.6 nH				0.104 Ω	800 mA		
KQT0402 TD 3N9	3.9 nH		0.120 Ω	760 mA				
KQT0402 TD 5N1	5.1 nH		H (±3%)* J (± 5%) K (± 10%)	20	5800 MHz	0.172 Ω		560 mA
KQT0402 TD 5N6	5.6 nH					0.202 Ω		480 mA
KQT0402 TD 6N2	6.2 nH					0.214 Ω		480 mA
KQT0402 TD 7N5	7.5 nH					0.298 Ω		400 mA
KQT0402 TD 8N2	8.2 nH	0.550 Ω				340 mA		
KQT0402 TD 9N0	9.0 nH	0.620 Ω		320 mA				
KQT0402 TD 10N	10 nH	24		21	3900 MHz	0.830 Ω		150 mA
KQT0402 TD 11N	11 nH					1.170 Ω		200 mA
KQT0402 TD 12N	12 nH							
KQT0402 TD 15N	15 nH							
KQT0402 TD 19N	19 nH							
KQT0402 TD 23N	23 nH							
KQT0402 TD 27N	27 nH							
KQT0402 TD 34N	34 nH							
KQT0402 TD 36N	36 nH							
KQT0402 TD 40N	40 nH							
KQT0402 TD 47N	47 nH							
KQT0402 TD 56N	56 nH							

\*Tolerance G (±2%) in the range 12nH ... 47nH on request

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