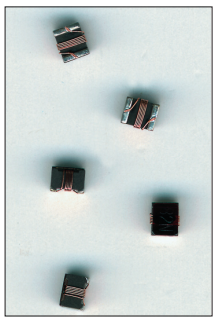
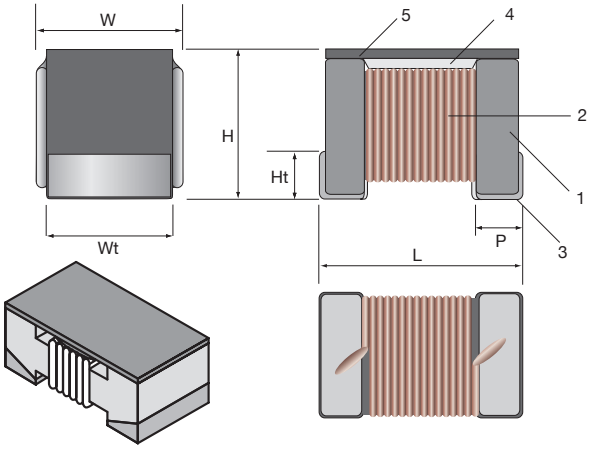
AIR CORE
WIREWOUND CHIP INDUCTOR
KQ 1008





STRUCTURE

1 Ceramic core
2 Winding wire
3 Electrode
4 Inner coat
5 Flat top film

IDENTIFICATION

PRODUCT CODE	BODY COLOR	MARKING
KQ 1008	Black	3 digit inductance code

All these products have Pb-free terminations and meet EU-RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

KQ1008	T	TE	R39	J
PRODUCT CODE	TERMINATION SURFACE MATERIAL T: Sn	TAPING* TE, BK *Please see "PACKAGING"	NOMINAL INDUCTANCE 3 digits code (see rating table)	INDUCTANCE TOLERANCE G: (±2%) J: (±5%) K: (±10%) M: (±20%)

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS

FEATURES

- Small chip inductors of air-core (wirewound type)
- High Q and high self-resonant frequency
- Low DC resistance and high allowable DC current
- Excellent mountability, solderability and high reliablity
- Suitable for high-frequency circuits in telecommunication equipment and mobile phones
- Parts are tested according to AEC-Q200 requirements
- Operating temperature range: - 40° C ... +125° C
- Flat top suitable for high speed mounting
- Suitable for reflow soldering
- Lab Kit available

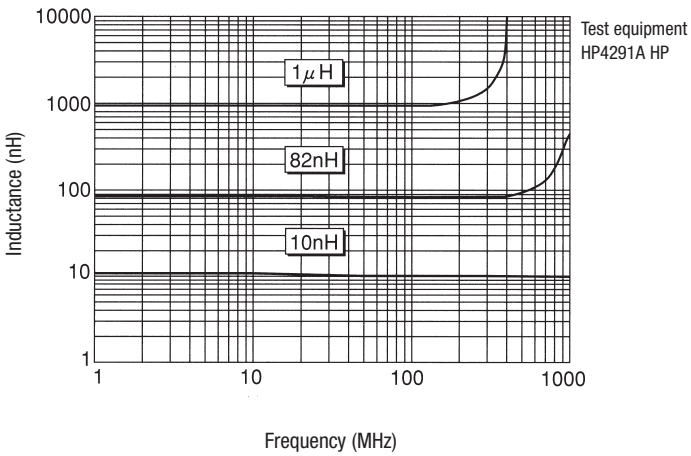
DIMENSIONS (mm)

PRODUCT CODE	L	W	H	Wt	Ht	P
KQ1008	2.5 ± 0.2	2.2 ± 0.2	$1.8^{+0.2}_{-0}$	2.0 ± 0.1	0.45 ± 0.15	0.45 ± 0.1

TYPICAL FREQUENCY CHARACTERISTICS

Test equipment: Agilent 4291A impedance analyzer

INDUCTANCE vs. FREQUENCY



Q-FACTOR vs. FREQUENCY