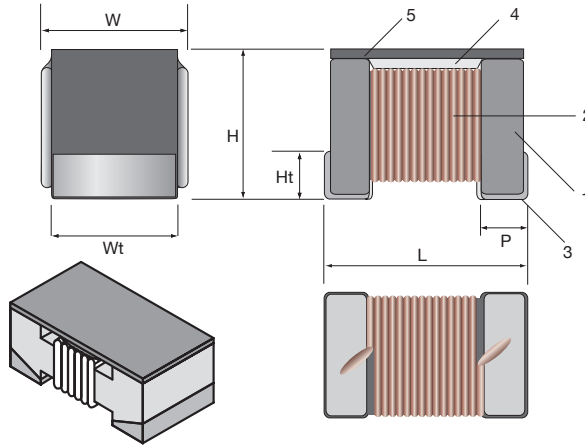
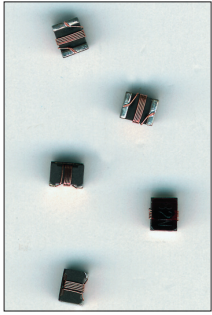


**AIR CORE
WIREWOUND
CHIP INDUCTOR
KQ 1008**



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 <small>*Please see "PACKAGING"</small>	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 reliability
- 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

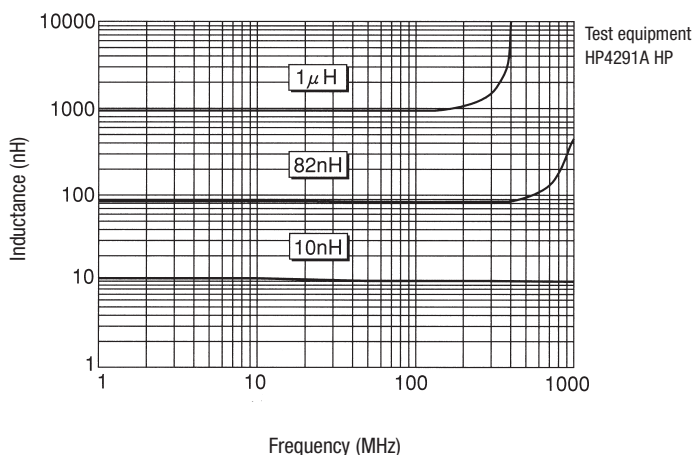
DIMENSIONS (mm)

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

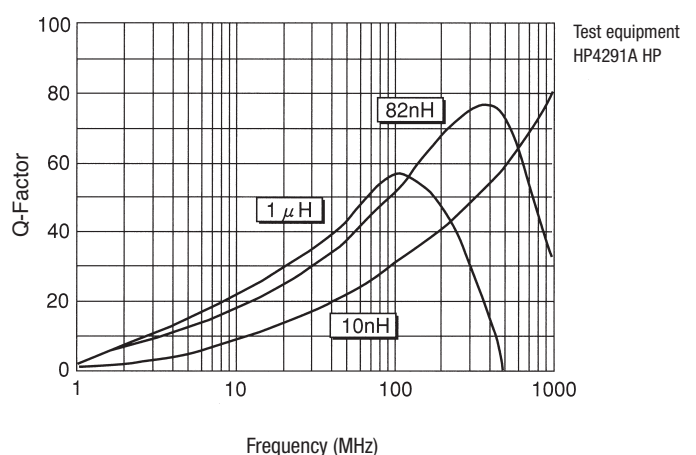
TYPICAL FREQUENCY CHARACTERISTICS

Test equipment: Agilent 4291A impedance analyzer

INDUCTANCE vs. FREQUENCY



Q-FACTOR vs. FREQUENCY



Contact our sales representatives before you use our products for applications including automobiles, medical equipment and aerospace equipment. Malfunction or failure of the products in such applications may cause loss of human life or serious damage.

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