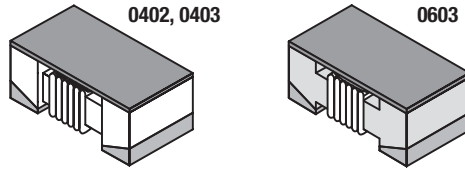
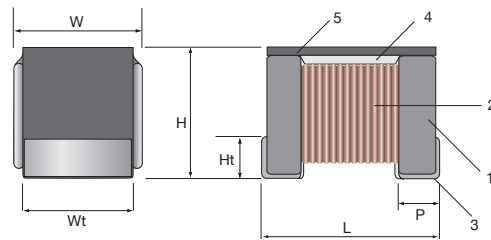
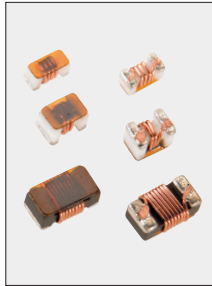


**AIR CORE
WIREWOUND
CHIP INDUCTOR
HIGH CURRENT TYPE
KQC**



STRUCTURE

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



IDENTIFICATION

PRODUCT CODE	BODY COLOR	MARKING
KQC 0402, KQC 0403	White	
KQC 0603	Black	None

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

TYPE DESIGNATION (HOW TO ORDER)

KQC	0603	T	TE	12N	J
PRODUCT CODE	SIZE	TERMINATION SURFACE MATERIAL	TAPING*	NOMINAL INDUCTANCE	INDUCTANCE TOLERANCE
	0402, 0403, 0603	T: Sn	TP, TD: 0402 TE: 0403, 0603 BK: Bulk *Please see "PACKAGING"	3 digit code (see rating table)	B: ($\pm 0.1nH$) C: ($\pm 0.2nH$) G: ($\pm 2\%$) J: ($\pm 5\%$)

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)
- Lower DC resistance and higher allowable DC current than the standard KQ-series
- High Q and high self-resonant frequency
- Excellent mountability, solderability and high reliability
- Flat top suitable for high speed mounting
- Suitable for high-frequency circuits in telecommunication equipment, mobile phones and power amplification circuit
- Operating temperature range: - 40° C ... + 125° C
- Suitable for reflow soldering

DIMENSIONS (mm)

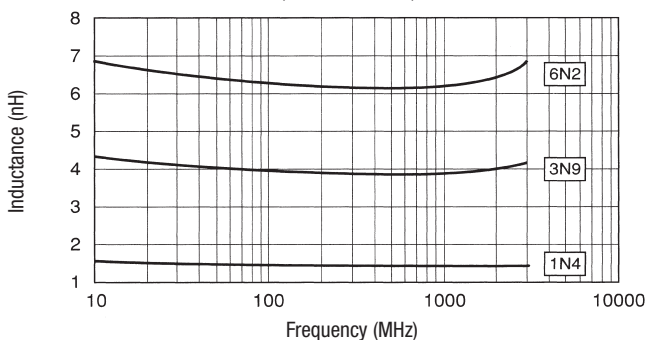
PRODUCT CODE	L	W	H	Ht	P
KQC 0402	1.0 ± 0.1	0.5 ± 0.1	0.55 ± 0.1	0.15 ± 0.10	0.2 ± 0.1
KQC 0403*	1.0 ± 0.1	0.75 ± 0.1	0.80 ± 0.1	0.15 ± 0.10	0.2 ± 0.1
KQC 0603	1.6 ± 0.1	1.05 ± 0.2	0.70 ± 0.1	0.20 ± 0.15	0.37 ± 0.1

* Under development

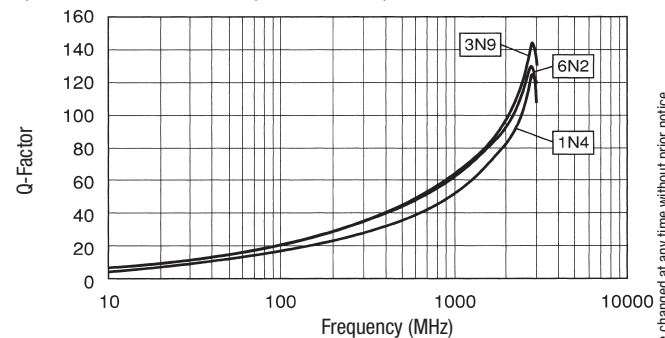
TYPICAL FREQUENCY CHARACTERISTICS

Test equipment: Agilent 4991A impedance analyzer (KQC 0402); Agilent 4291A impedance analyzer (KQC 0603)

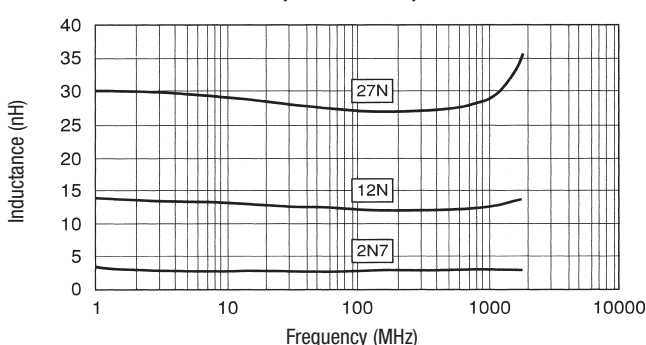
INDUCTANCE vs. FREQUENCY KQC 0402



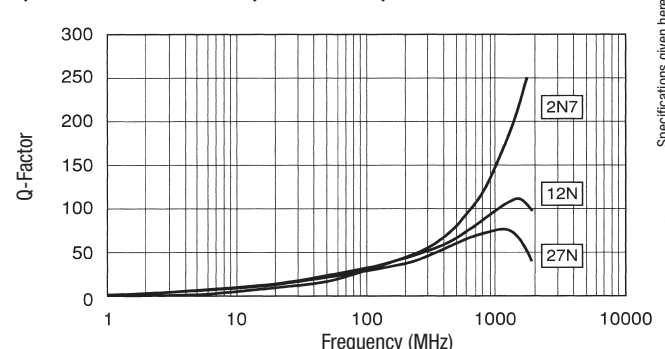
Q-FACTOR vs. FREQUENCY KQC 0402



INDUCTANCE vs. FREQUENCY KQC 0603



Q-FACTOR vs. FREQUENCY KQC 0603



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.