

*Using breakthrough technology,
we aim for products that will create new markets.*

New Product News

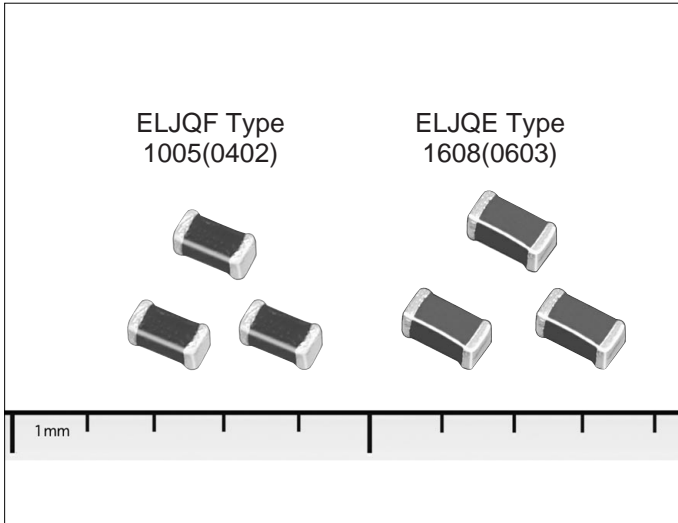
Wide range of products

Non-Wire wound Chip-type Inductor

1005(0402), 1608(0603) size High Q,
Non-Wire wound Chip-type Inductor

Industry/Field: High-frequency radio equipment such as
cellular phones etc.

A non-winding type realizes the highest Q value of the industry level.



• Development Target:

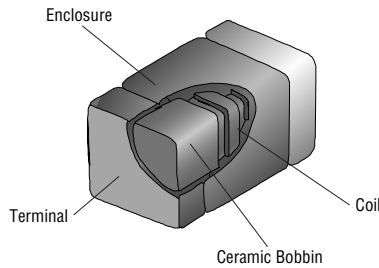
Small and High-Q characteristics with non-wound type Chip Inductors were developed. They correspond to multi-functionalization such as Multi Mode or Multi Band in the cellular-phone market.

• Features:

- ① High-Q characteristics (the industry's top level)
- ② Wide range L-value(inductance) covering the demand for the high frequency circuits
- ③ High self-resonance frequency and easy to use due to non-polarity

• Number of industrial property rights: 7(Pending)

• Construction:



• Characteristics/specifications:

Type	ELJQF type	ELJQE type
Dimensions in mm (W × D × H)	1.0 × 0.5 × 0.5	1.6 × 0.8 × 0.8
Inductance	1.0 to 39 nH E-12(or E-24)	1.0 to 68 nH E-12(or E-24)
Tolerance(Inductance)	±5% (or ±2%)	±5% (or ±2%)
Q	10 min.(at100MHz) 35 to 41 Typ.(at800MHz)	16 to 30 min.(at250MHz) 50 to 90 Typ.(at800MHz)
Self Resonant Frequency	1800 to 6000 MHz min.	1500 to 6000 MHz min.

• Applications/usage examples:

- High-frequency radio equipment such as cellular phones etc.

• Explanation of part numbers:

1	2	3	4	5	6	7	8	9	10
F	L	J	Q	F	1	0	N	J	F
Product code			Type	Inductance			Packaging		
						Tolerance			