AXIAL FIXED INDUCTORS

AIB0618 SERIES

1. PART NO. EXPRESSION :

A I B 0 6 1 8 1 0 0 K Z F

(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

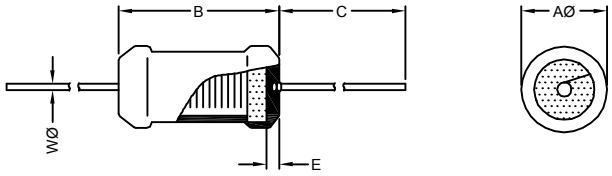
(c) Inductance code : 100 = 10uH

(d) Tolerance code : K = ±10%

(e) X, Y, Z : Standard part

(f) F : Lead Free

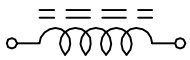
2. CONFIGURATION & DIMENSIONS :



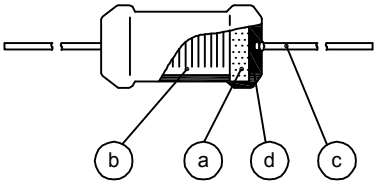
Unit:m/m

AØ	B	C	E	WØ
6.00 Max.	18.00 Max.	25.00±5.0	3.00 Max.	0.65±0.10

3. SCHEMATIC :



4. MATERIALS :



(a) CORE

(b) WIRE

(c) LEAD

(d) TUBE

5. GENERAL SPECIFICATION :

a) △L/L：10% MAX. AT RATED CURRENT

b) TEMP. RISE：45℃ MAX. AT RATED CURRENT

c) STORAGE CONDITION (COMPONENT IN ITS PACKAGING)

i) TEMPERATURE: -10 TO 40°C

ii) HUMIDITY: 60%

d) OPERATING TEMP.：-40℃----+125℃

RoHS Compliant

NOTE : Specifications subject to change without notice. Please check our website for latest information.

6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μH)	Test Freq. (Hz)	RDC (Ω) Max.	IDC (A) Max.
AIB0618100KZF	10 ±10%	1K / 1V	0.075	2.00
AIB0618250KZF	25 ±10%	1K / 1V	0.150	1.20
AIB0618500KZF	50 ±10%	1K / 1V	0.200	0.80
AIB0618101KZF	100 ±10%	1K / 1V	0.300	0.60
AIB0618251KZF	250 ±10%	1K / 1V	1.000	0.40
AIB0618501KZF	500 ±10%	1K / 1V	2.000	0.25
AIB0618102KZF	1000 ±10%	1K / 1V	3.000	0.20

RoHS Compliant

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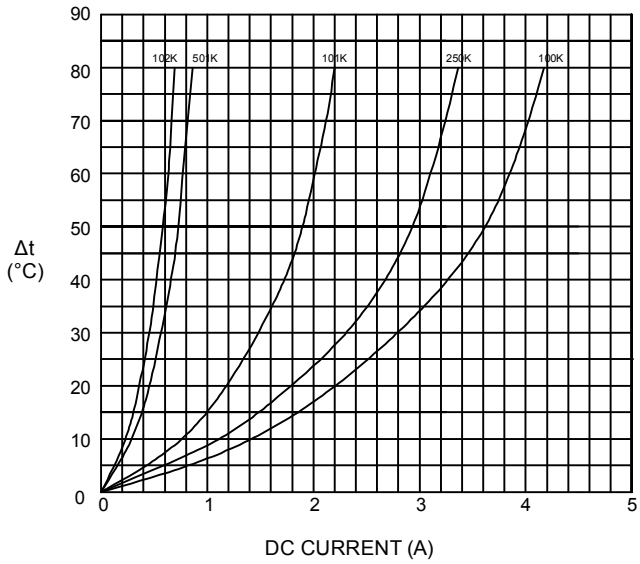
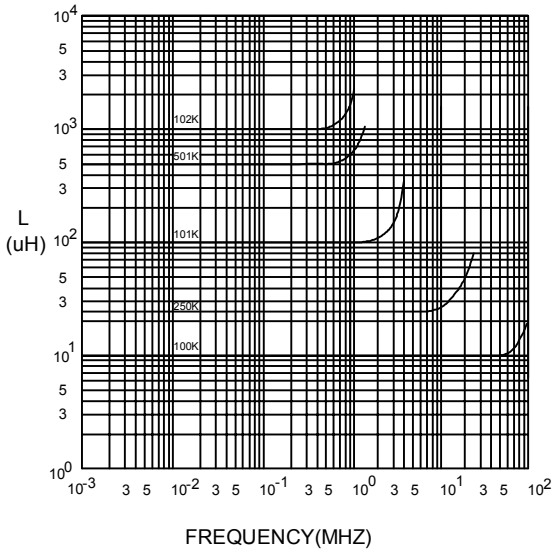
7. CHARACTERISTICS CURVES :

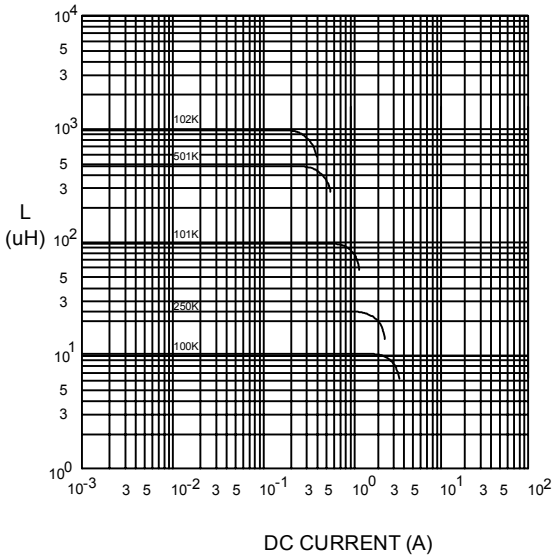
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



RoHS Compliant

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8. PACKAGING INFORMATION :

CODE	INNER PACKAGE	INNER PACKAGE Q'TY
A	BOX (Small)	150 PCS
B	BOX (Large)	300 PCS

RoHS Compliant

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