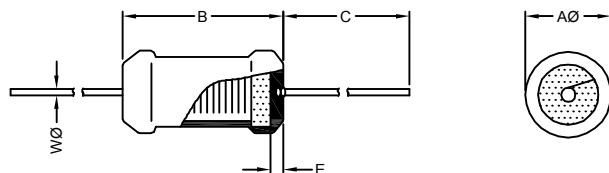


1. PART NO. EXPRESSION :

A	B	1	0	2	0	1	0	0	K	Z	F	(a) Series code	(d) Tolerance code : K = ±10%
(a)	(b)	(c)	(d)(e)(f)						(b) Dimension code	(e) X, Y, Z : Standard part			
									(c) Inductance code : 100 = 10uH	(f) F : Lead Free			

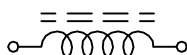
2. CONFIGURATION & DIMENSIONS :



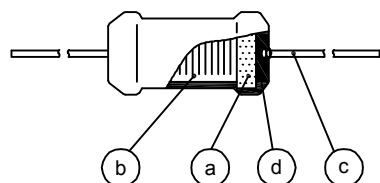
Unit:m/m

A $\varnothing$	B	C	E	W $\varnothing$
10.0 Max.	20.00 Max.	25.0 $\pm$ 5.0	3.0 Max.	0.65 $\pm$ 0.10

3. SCHEMATIC :



4. MATERIALS :



- (a) CORE
- (b) WIRE
- (c) LEAD
- (d) TUBE

5. GENERAL SPECIFICATION :

- a) THE INDUCTANCE DROP AT RATED CURRENT IS 10% MAX.
- b) TEMP. RISE : 45°C MAX. AT RATED CURRENT.
- c) STORAGE CONDITION (COMPONENT IN ITS PACKAGING)
 - i) TEMPERATURE: -10 TO 40°C
 - ii) HUMIDITY: 60%
- d) OPERATING TEMP. : -40°C ~ +80°C



RoHS Compliant

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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC (Ω) Max.	IDC (A) Max.
AIB1020100KZF	10 $\pm$ 10%	1K / 1V	0.050	3.50
AIB1020250KZF	25 $\pm$ 10%	1K / 1V	0.085	2.50
AIB1020500KZF	50 $\pm$ 10%	1K / 1V	0.120	2.00
AIB1020101KZF	100 $\pm$ 10%	1K / 1V	0.180	1.40
AIB1020251KZF	250 $\pm$ 10%	1K / 1V	0.500	0.80
AIB1020501KZF	500 $\pm$ 10%	1K / 1V	1.000	0.60
AIB1020102KZF	1000 $\pm$ 10%	1K / 1V	2.200	0.40

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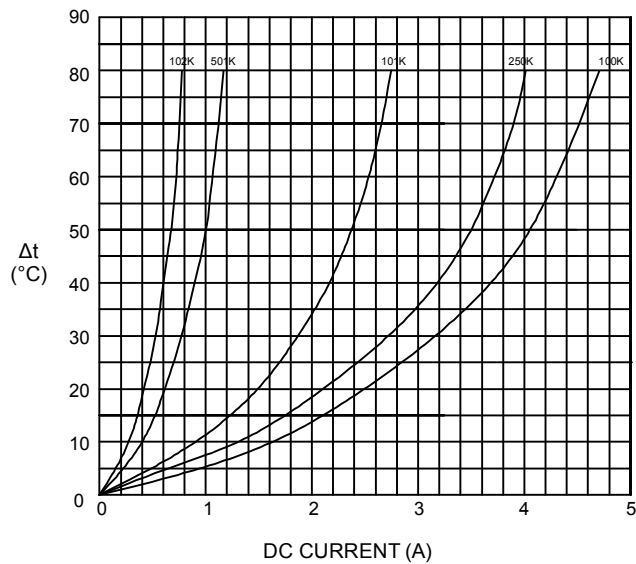
NOTE : Specifications subject to change without notice. Please check our website for latest information.

23.03.2015

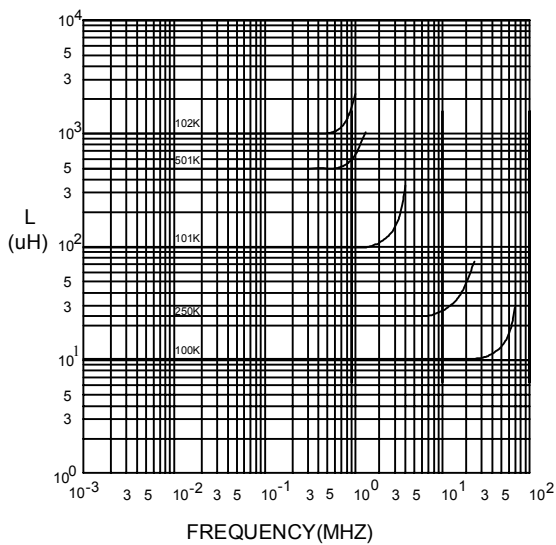
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7. CHARACTERISTICS CURVES :

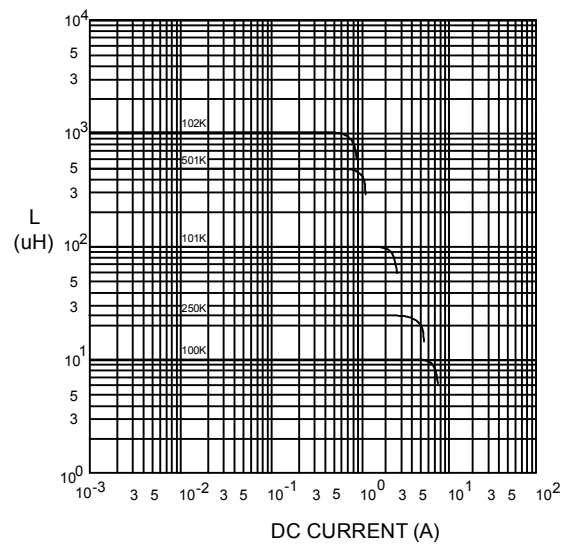
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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8. PACKAGING INFORMATION :

CODE	INNER PACKAGE	INNER PACKAGE Q'TY
A	BOX (Small)	90 PCS
B	BOX (Large)	135 PCS



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