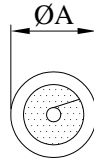
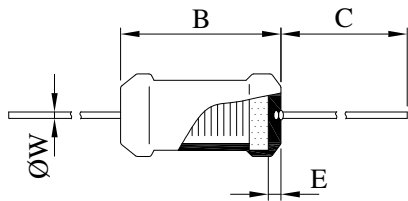


# SPECIFICATION FOR APPROVAL

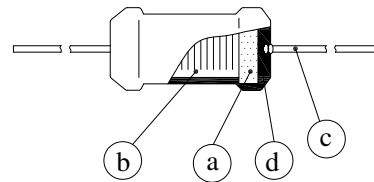
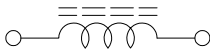
Product Name	AXIAL FIXED INDUCTORS (LEAD FREE)	Page	1
Tai-Tech Part No.	SWIB1020 SERIES		

## 1. CONFIGURATION & DIMENSIONS :



ØA :	10.0 MAX.	mm
B :	20.0 MAX.	mm
C :	25.0±5.0	mm
E :	3.0 MAX	mm
ØW :	0.65±0.10	mm

## 2. SCHEMATIC DIAGRAM :



## 3. MATERIALS :

NO.	DESCRIPTION	SPECIFICATION	REMARK
a.	CORE	DR FERRITE CORE	
b.	WIRE	ENAMELLED COPPER WIRE	
c.	LEAD	TINNED COPPER WIRE	
d.	TUBE	SHRINKABLE TUBE	

## 4. GENERAL SPECIFICATION :

- a. THE INDUCTANCE DROP AT RATED CURRENT IS 10% MAX.
- b. TEMP. RISE : 45°C MAX. AT RATED CURRENT.
- c. STORAGE TEMP. : -40°C ----- +125°C
- d. OPERATING TEMP. : -25°C ----- +80°C



**RoHS Compliant**

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

12.09.2006



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# SPECIFICATION FOR APPROVAL

Product Name	AXIAL FIXED INDUCTORS (LEAD FREE)	Page	2
Tai-Tech Part No.	SWIB1020 SERIES		

## 5. ELECTRICAL CHARACTERISTICS :

PART NO.	INDUCTANCE ( $\mu$ H)	TEST FREQ. (HZ)	RDC ( OHM ) MAX.	IDC ( A ) MAX.
SWIB1020-100KF	10 $\pm$ 10%	1K / 1V	0.050	3.50
SWIB1020-250KF	25 $\pm$ 10%	1K / 1V	0.085	2.50
SWIB1020-500KF	50 $\pm$ 10%	1K / 1V	0.120	2.00
SWIB1020-101KF	100 $\pm$ 10%	1K / 1V	0.180	1.40
SWIB1020-251KF	250 $\pm$ 10%	1K / 1V	0.500	0.80
SWIB1020-501KF	500 $\pm$ 10%	1K / 1V	1.000	0.60
SWIB1020-102KF	1000 $\pm$ 10%	1K / 1V	2.200	0.40



**RoHS Compliant**

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12.09.2006



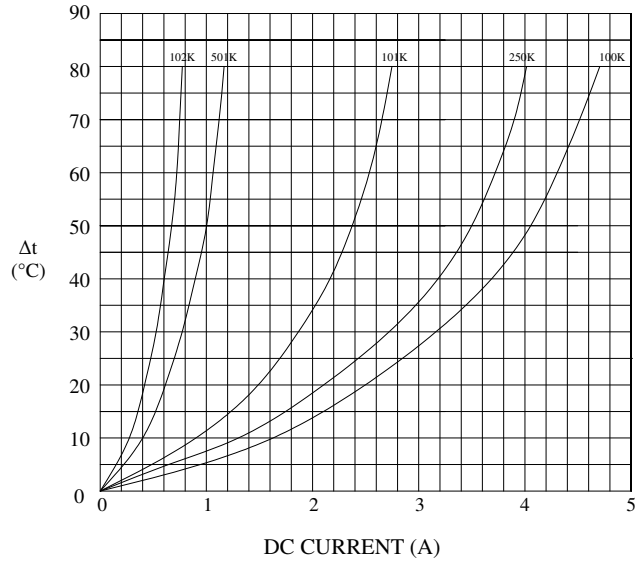
**TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD**

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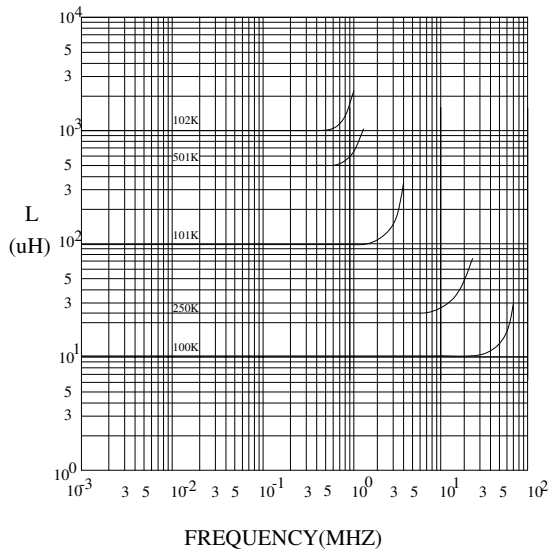
Product Name	AXIAL FIXED INDUCTORS (LEAD FREE)	Page	3
Tai-Tech Part No.	SWIB1020 SERIES		

## 6. CHARACTERISTICS CURVES :

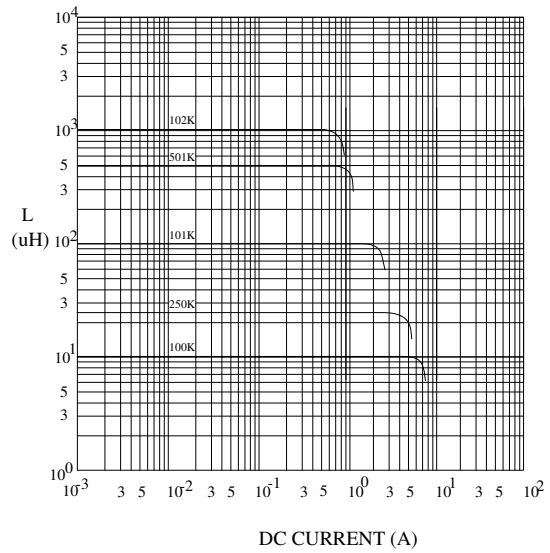
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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