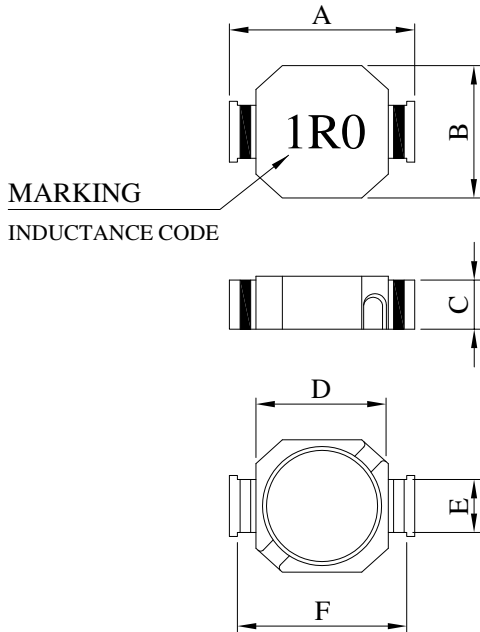


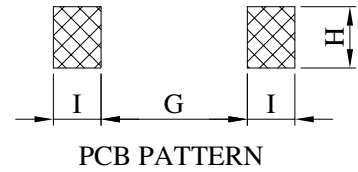
SPECIFICATION FOR APPROVAL

Product Name	SMD POWER INDUCTORS (LEAD FREE)	Page	1
Tai-Tech Part No.	SWDH1606 SERIES		

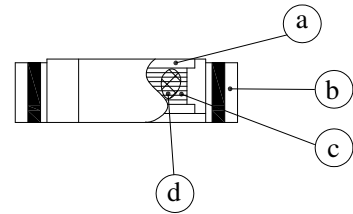
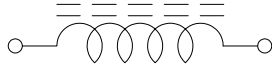
1. CONFIGURATION & DIMENSIONS :



A :	7.00±0.3	m/m
B :	5.20±0.3	m/m
C :	2.20 MAX.	m/m
D :	5.00±0.3	m/m
E :	2.00±0.2	m/m
F :	6.40±0.3	m/m
G :	4.00 REF.	m/m
H :	2.50 REF.	m/m
I :	1.60 REF.	m/m



2. SCHEMATIC DIAGRAM :



3. MATERIALS :

NO.	DESCRIPTION	SPECIFICATION	REMARK
a.	CORE	DR FERRITE CORE	
b.	BASE	PHENOLIC	
c.	WIRE	ENAMELLED COPPER WIRE	
d.	ADHESIVE	EPOXY	



RoHS Compliant

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

05.01.2007



TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD

SPECIFICATION FOR APPROVAL

Product Name	SMD POWER INDUCTORS (LEAD FREE)	Page	2
Tai-Tech Part No.	SWDH1606 SERIES		

4. GENERAL SPECIFICATION :

- a. TEMP. RISE 40°C TYP. AT IDC
- b. RATED CURRENT : $\Delta L / L0A=10\%$ MAX. AT IDC
- c. OPERATING TEMP. : -25°C ----- +85°C
- d. RESISTANCE TO SOLDER HEAT : 260°C. 10 SECS.

5. ELECTRICAL CHARACTERISTICS :

PART NO.	INDUCTANCE (μ H)	TEST FREQ. (HZ)	SRF (MHZ) TYP.	RDC (mOHM) MAX	IDC (A)
SWDH1606-1R0MF	1.0 \pm 20%	0.1V / 100K	200	40	2.50
SWDH1606-1R5MF	1.5 \pm 20%	0.1V / 100K	150	60	2.20
SWDH1606-2R2MF	2.2 \pm 20%	0.1V / 100K	130	80	1.80
SWDH1606-3R3MF	3.3 \pm 20%	0.1V / 100K	100	110	1.60
SWDH1606-4R7MF	4.7 \pm 20%	0.1V / 100K	80	160	1.30
SWDH1606-6R8MF	6.8 \pm 20%	0.1V / 100K	65	200	1.10



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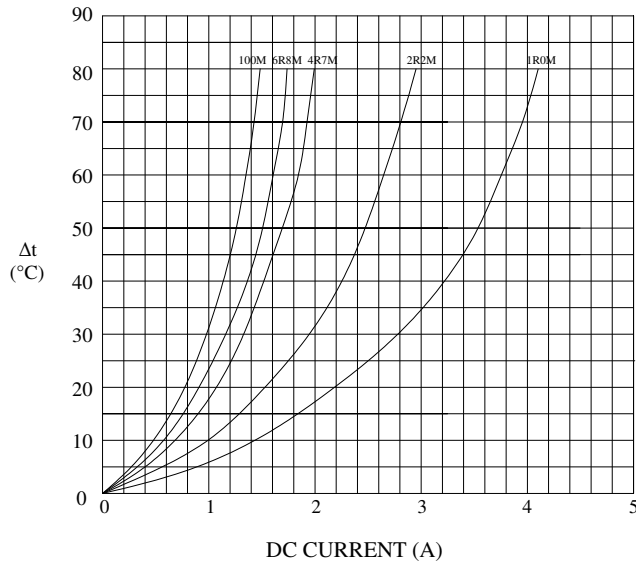
TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD

SPECIFICATION FOR APPROVAL

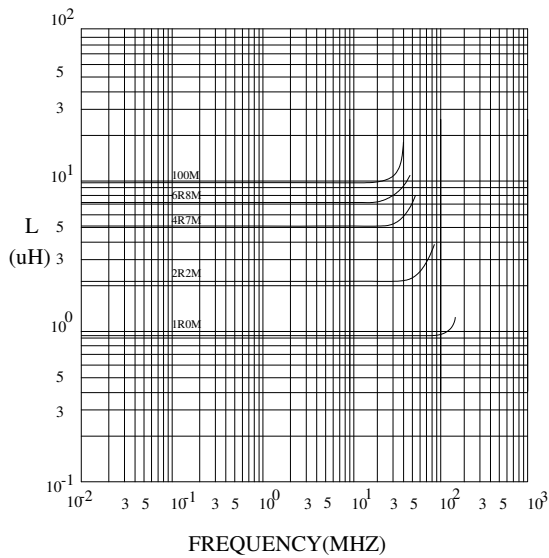
Product Name	SMD POWER INDUCTORS (LEAD FREE)	Page	3
Tai-Tech Part No.	SWDH1606 SERIES		

6. CHARACTERISTICS CURVES :

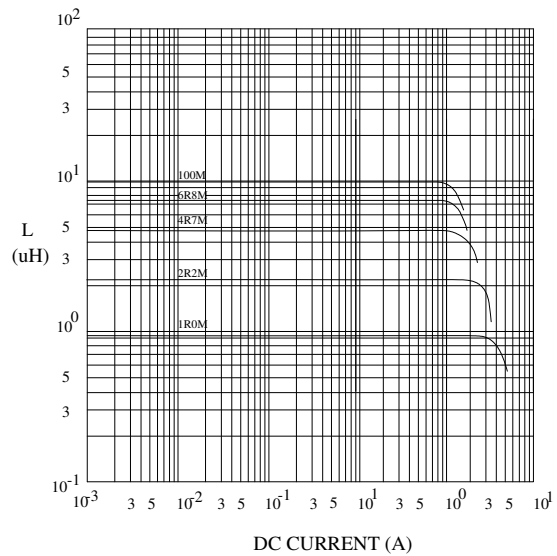
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



RoHS Compliant

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05.01.2007



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