



PROPERTIES OF TAK MATERIALS (TAK 材質表)

Mn-Zn Ferrite Series (For High μ MATERIALS) 錳-鋅氧化磁鐵粉系列(高頻使用)

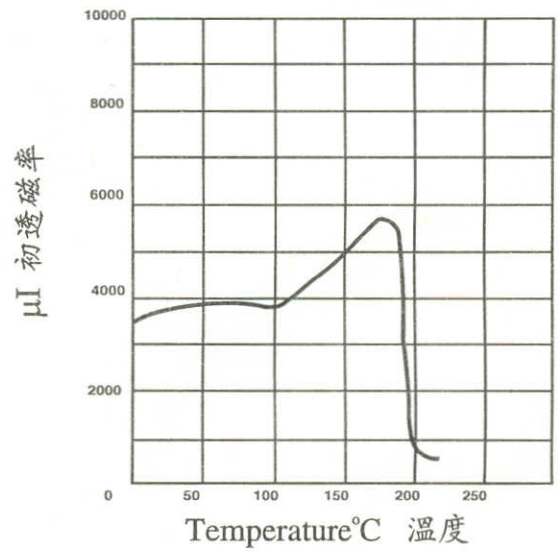
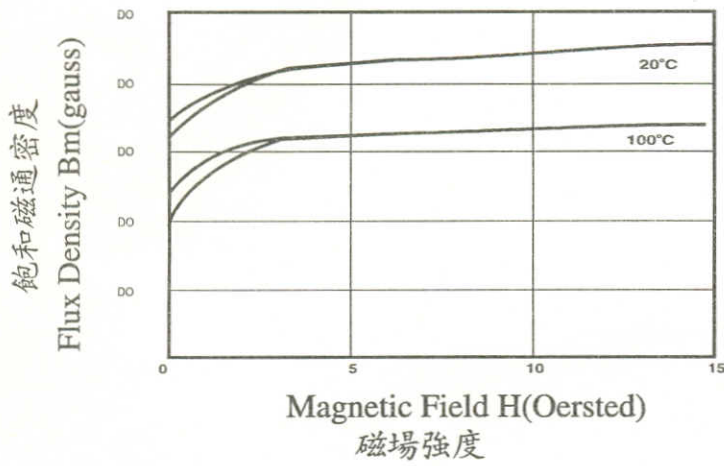
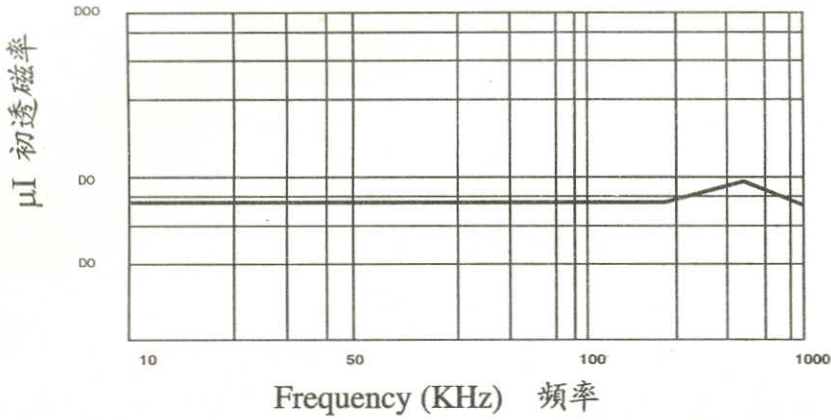
CHARACTERISTICS(特性)	UNIT(單位)	T2	T3	T5	T7	TP40	T10	T2M
μ iac (初透磁率)	----	2800	3500	5500	7500	2400	9800	2000
APPLICABLE 適用 FREQUENCY 頻率	MHz(百萬赫茲)	<0.4	<0.2	<0.1	<0.1	<0.4	<0.1	<0.5
Bm(飽和磁束密度)	Gauss(高斯)	4800	4600	4000	4000	5100	4500	5100
Br(殘留磁束密度)	Gauss(高斯)	1400	1350	1250	1250	1100	1200	1300
Hc(保持力)	Oersted(奧斯特)	0.15	0.18	0.08	0.07	0.13	0.08	0.12
Tc(居禮溫度)	°C(攝氏)	200	180	110	110	210	140	220
α μ r(溫度係數)	$\times 10^{-6}/^{\circ}\text{C}$ (攝氏)	4	1.5	1.5	0.6	8	-0.1	6
Tan δ / μ iac (相對損失因子)	$\times 10^{-6}$	10	8.0	20	25	5	2	8
d(密度)	g/cm^3 (公克/立方公分)	4.8	4.8	4.9	4.9	4.8	4.8	4.9
ρ (表面阻抗)	Ω cm(歐姆)	300	30	15	10	650	50	600





MATERIAL T3 CHARACTERISTICS (T3 材質特性)

TAK



TAK Ferrite



Test Report

No.: SZTYR050725016/LP

Date: AUG 01, 2005

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TAK TECHNOLOGY CO., LTD.
SHIJIE TOWN, GUANGDONG PROVINCE, P.R. CHINA

Report on the submitted samples said to be T3 铁氧体制品

Manufacture : 东莞铁研电子厂
Sample Receiving Date : JUL 26, 2005
Testing Period : JUL 26, 2005 TO AUG 01, 2005

Test Requested : 1) Determination of Lead content in the submitted sample.
2) Determination of Cadmium content in the submitted sample.
3) Determination of Mercury content in the submitted sample.
4) Determination of Hexavalent Chromium content in the submitted sample.

Test Method : 1) With reference to EPA 3050B:1996 / Other acid digestion. Analysis was performed by Atomic Absorption Spectrometer (AAS).
2) With reference to EN 1122:2001 / Other acid digestion. Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES).
3) With reference to EPA Method 3052: 1996 / other acid digestion. Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES).
4) With reference to EPA Method 3060A: 1996 and then analyzed by colorimetric method 7196A: 1992.


Test Results

Element	Silvery color ferrite core
1) Lead (Pb)	< 2 ppm
2) Cadmium (Cd)	< 2 ppm
3) Mercury (Hg)	< 2 ppm
4) Hexavalent Chromium (Cr ⁶⁺)	< 2 ppm

Note : - < = Less than
- ppm = mg/kg
- Results shown are of the total weight of dry sample.

*** End of Report ***

Signed for and on behalf of
SGS-CSTC Ltd.


Lui Tat Wah, Wallace
Sr. Lab Manager

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