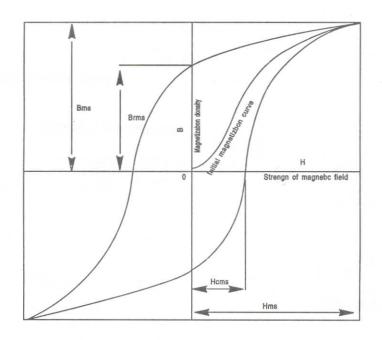
DROPERTIES OF TAK MATERIALS

Ni-Zn Ferrite Series (For High Frequercyuse)

CHRACTERISTICS	UNIT	V4F1	V2F1	M5E1	M11A	M9D1	M9A	M8B1	M8C1	M61	MG2
μ iac	_	8	30	15	20	50	50	60	60	100	300
APPLICABLE FREQUENCY	MHz	10-250	3–70	10-120	3–80	1-50	0.5–30	0.5–15	0.5–15	0.5–10	0.1-2
Bm	Gauss	2100	3100	3000	2700	3700	3400	3200	3000	3500	2400
Br	Gauss	1300	1700	1600	1800	2300	1900	1800	750	2100	1300
Hc	Oersted	38	8	15	10	4	5.5	6	4	2.5	0.8
To	°C	300	300	300	300	300	300	300	300	250	150
аμг	-6 ×10/°C	10	70	110	80	80	60	15	10	38	9
Tan δ/μ iac	-6 ×10	600(10) 4000(250)	80(3.0) 400(70)	500(10) 800(120)	100(3.0) 500(80)	200(21) 600(500)	100(0.5) 300(30)	130(0.5) 350(15)	100(0.5) 1500(15)	100(0.5) 1509(10)	20(0.1 100(2.
ρ	Ωcm	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶





SHi Long,IndustrialArea Yuan Shan Town Lian Ping He Yuan Guang Dong P.R.CHINA TEL:(86–762)-4329901 FAX:(86–762)4329002

SPECIFICATION

規格號碼 DRAWING NO.

頁 主 CUSTOMER			品名				同的 CUS	連規格號 FOMER DRAWING	知為 G NO.	
		.1	V2	F1	MATE	RIA	L	feet -		*
材質 MAT'L	圖 法 METHOD	單 位 UNIT	尺 E SCAL	度 E DES	定 GIGN			承 認 APPVD	確 認 CHKD	立 DWI
		M/M	5/14/1	3	年 YEAR	月 MONTH	日 DAY			
修訂 EVISION		1.		年 YEAR	月 MONTH	日 DAY				
	100	2.	0.	年 YEAR	月 MONTH	日 DAY		: 1		
		3.	300	年 YEAR	月 MONTH	日 DAY				
8 200	2000									
tanδ / (V-serie:	1000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.6 3 Magnetic	0 60 .2 4.8 field intensi	ty(H)	100(Oersted) 8.0 (KA/m)	/ μ √s. ter	0	-2 -4 -6 -8		als)
tan δ / (V-serie:	1000 0 0 μiac Vs.	1.6 3 Magnetic	.2 4.8 field intensi	6.4 ty(H)	100(Oersted) 8.0 (KA/m)		0	8 6 4 2 0 20 20 4		

Frequency(MHz)



Test Report

No. CANEC0803512706

Date: 07 Jul 2008

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TAK TECHNOLOGY CO.,LTD
NO.3RD INDUSTRIAL AREA JUZHOU SHIJIE TOWN DONGGUAN CITY GUANGDONG PROVINCE
CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : V2F1 MATERIAL FERRITE CORE

SGS Job No.

11133899 - SZ

SGS Internal Reference No. :

10.6

Date of Sample Received

02 Jul 2008

Testing Period

02 Jul 2008 - 07 Jul 2008

Test Requested

Selected test(s) as requested by client.

Test Method

Please refer to next page(s).

Test Results

Please refer to next page(s).

Signed for and on behalf of SGS-CSTC Ltd.

Huang Fang, Sunny

Sr. Engineer

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Test Report

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Test Results:

ID for specimen 1

: CAN08-035127.006

Description for specimen 1

: Dk-gray core

Heavy metal(s)

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Cadmium (Cd)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	N.D.	2
Lead (Pb)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	18314	2
Mercury (Hg)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	N.D.	2
Hexavalent Chromium (CrVI) by	mg/kg	IEC 62321/2nd CDV (111/95/CDV), UV-Vis	N.D.	2
alkaline extraction				

Note:

1. mg/kg = ppm

2. N.D. = Not Detected (< MDL)

3. MDL = Method Detection Limit



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ndards Technical Service Co., Ltd.

198 Kezhu Road, Scientech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 中国・广州・经济技术开发区科学城科珠路198号 邮编:510663 t (86-20)82155555 f (86-20)82075113 t (86-20)82155555 f (86-20)82075113



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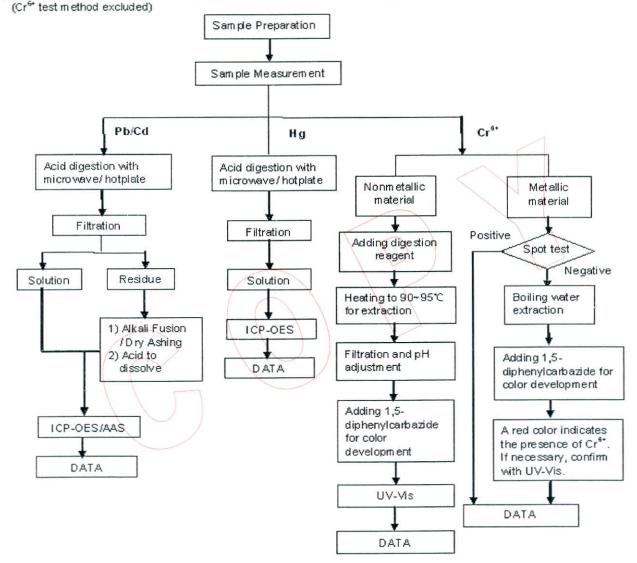
Date: 07 Jul 2008

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ATTACHMENTS

Testing Flow Chart

- 1) Name of the person who made measurement: Bowen Chen
- 2) Name of the person in charge of measurement: Adams Yu
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart.



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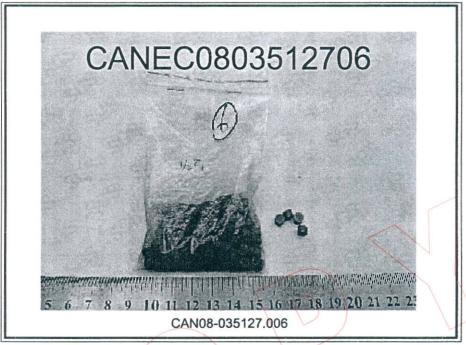


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Sample photo:



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