

## 产品说明书 SPECIFICATION

### 1、总论 (Scope)

本说明包括产品外形尺寸、性能及出厂检验标准，产品型号、规格。

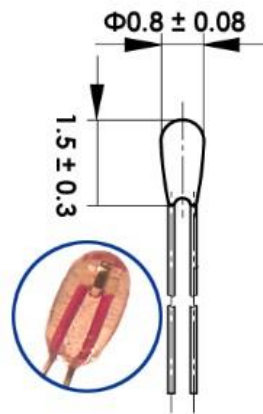
This specification deals with shape,dimensions,characteristics,inspection standard etc.

### 2、说明 (Specifications)

2.1 元件：热敏电阻，型号：[MGB08-104F4000L32](#)

Item: Thermistor, No.: [MGB08-104F4000L32](#)

#### 2.2 尺寸大小 (如图) Shape and dimension



#### 2.3 性能 Characteristics

Item	Test Condition	Min.	Mid.	Max.	Unit
项目	测试条件	最小值	中心值	最大值	单位
Resistance at 25°C	25°C±0.005°C	99	100	101	KΩ
B value	B25/50	3960	4000	4040	K
Insulation resistance 绝缘电阻	DC500V	100	/	/	MΩ
Thermal time constant 热时间常数	In still air 静止空气中	/	/	10	S
Thermal dissipation constant 耗散系数	In still air 静止空气中	0.4	/	/	mW/°C
Maximum power rating 最大输出功率	25°C	/	/	50	mW/°C
Operating temperature range 工作温度范围	/	-50	/	300	°C

### 3、出厂检验 (Outgoing Inspection)

(1)产品批量出厂前必须进行如下项目抽检，抽样数及标准如下：

The product shall be inspected at every delivery lot inspection items,sampling quantities and sampling acceptable standard are as follows.

Inspection Item	Sampling acceptable Standard	Remarks
Resistance value	n=20,Ac=0,Re=1	2.3(1)(a)
Beta value	n=10,Ac=0,Re=1	2.3(1)(b)
Insulation Resistance	n=5,Ac=0,Re=1	2.3(1)(c)
Shape & dimensions	n=5,Ac=0,Re=1	2.2
Appearance	n=5,Ac=0,Re=1	2.2

## 产品说明书 SPECIFICATION

### 1、总论 (Scope)

本说明包括产品外形尺寸、性能及出厂检验标准，产品型号、规格。

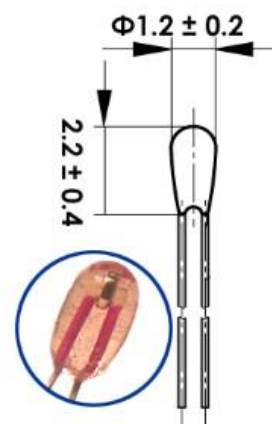
This specification deals with shape,dimensions,characteristics,inspection standard etc.

### 2、说明 (Specifications)

2.1 元件：热敏电阻，型号：[MGB12-104F4000L32](#)

Item: Thermistor, No.: [MGB12-104F4000L32](#)

#### 2.2 尺寸大小 (如图) Shape and dimension



#### 2.3 性能 Characteristics

Item	Test Condition	Min.	Mid.	Max.	Unit
项目	测试条件	最小值	中心值	最大值	单位
Resistance at 25°C	25°C±0.005°C	99	100	101	KΩ
B value	B25/50	3960	4000	4040	K
Insulation resistance 绝缘电阻	DC500V	100	/	/	MΩ
Thermal time constant 热时间常数	In still air 静止空气中	/	/	5	S
Thermal dissipation constant 耗散系数	In still air 静止空气中	1.3	/	/	mW/°C
Maximum power rating 最大输出功率	25°C	/	/	50	mW/°C
Operating temperature range 工作温度范围	/	-50	/	300	°C

### 3、出厂检验 (Outgoing Inspection)

(1)产品批量出厂前必须进行如下项目抽检，抽样数及标准如下：

The product shall be inspected at every delivery lot inspection items,sampling quantities and sampling acceptable standard are as follows.

Inspection Item	Sampling acceptable Standard	Remarks
Resistance value	n=20,Ac=0,Re=1	2.3(1)(a)
Beta value	n=10,Ac=0,Re=1	2.3(1)(b)
Insulation Resistance	n=5,Ac=0,Re=1	2.3(1)(c)
Shape & dimensions	n=5,Ac=0,Re=1	2.2
Appearance	n=5,Ac=0,Re=1	2.2

## 产品说明书 SPECIFICATION

### 1、总论 (Scope)

本说明包括产品外形尺寸、性能及出厂检验标准，产品型号、规格。

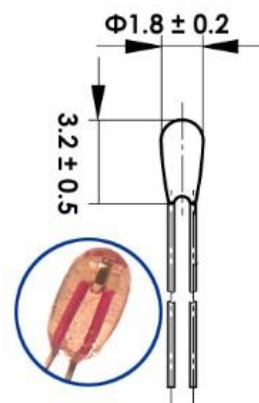
This specification deals with shape,dimensions,characteristics,inspection standard etc.

### 2、说明 (Specifications)

2.1 元件：热敏电阻，型号：[MGB18-104F4000L32](#)

Item: Thermistor, No.: [MGB18-104F4000L32](#)

#### 2.2 尺寸大小 (如图) Shape and dimension



#### 2.3 性能 Characteristics

Item	Test Condition	Min.	Mid.	Max.	Unit
项目	测试条件	最小值	中心值	最大值	单位
Resistance at 25°C	25°C±0.005°C	99	100	101	KΩ
B value	B25/50	3960	4000	4040	K
Insulation resistance 绝缘电阻	DC500V	100	/	/	MΩ
Thermal time constant 热时间常数	In still air 静止空气中	/	/	7	S
Thermal dissipation constant 耗散系数	In still air 静止空气中	1.3	/	/	mW/°C
Maximum power rating 最大输出功率	25°C	/	/	50	mW/°C
Operating temperature range 工作温度范围	/	-50	/	300	°C

### 3、出厂检验 (Outgoing Inspection)

(1)产品批量出厂前必须进行如下项目抽检，抽样数及标准如下：

The product shall be inspected at every delivery lot inspection items,sampling quantities and sampling acceptable standard are as follows.

Inspection Item	Sampling acceptable Standard	Remarks
Resistance value	n=20,Ac=0,Re=1	2.3(1)(a)
Beta value	n=10,Ac=0,Re=1	2.3(1)(b)
Insulation Resistance	n=5,Ac=0,Re=1	2.3(1)(c)
Shape & dimensions	n=5,Ac=0,Re=1	2.2
Appearance	n=5,Ac=0,Re=1	2.2

## 产品说明书 SPECIFICATION

### 1、总论 (Scope)

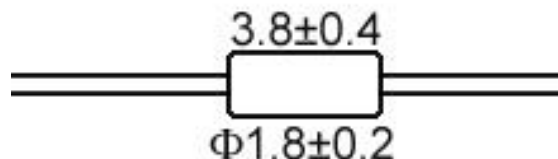
本说明包括产品外形尺寸、性能及出厂检验标准，产品型号、规格。

This specification deals with shape,dimensions,characteristics,inspection standard etc.

### 2、说明 (Specifications)

2.1元件：热敏电阻，型号：[MGD18-104F4000](#)

Item: Thermistor,No.:[MGD18-104F4000](#)



2.2 尺寸大小 (如图) Shape and dimension

### 2.3 性能 Characteristics

Item	Test Condition	Min.	Mid.	Max.	Unit
项目	测试条件	最小值	中心值	最大值	单位
Resistance at 25°C	25°C±0.005°C	99	100	101	KΩ
B value	B25/50	3960	4000	4040	K
Insulation resistance 绝缘电阻	DC500V	100	/	/	MΩ
Thermal time constant 热时间常数	In still air 静止空气中	/	/	10	S
Thermal dissipation constant 耗散系数	In still air 静止空气中	2	/	/	mW/°C
Maximum power rating 最大输出功率	25°C	/	/	50	mW/°C
Operating temperature range 工作温度范围	/	-50	/	260	°C

### 3、出厂检验 (Outgoing Inspection)

(1)产品批量出厂前必须进行如下项目抽检，抽样数及标准如下：

The product shall be inspected at every delivery lot inspection items,sampling quantities and sampling acceptable standard are as follows.

Inspection Item	Sampling acceptable Standard	Remarks
Resistance value	n=20,Ac=0,Re=1	2.3(1)(a)
Beta value	n=10,Ac=0,Re=1	2.3(1)(b)
Insulation Resistance	n=5,Ac=0,Re=1	2.3(1)( c)
Shape & dimensions	n=5,Ac=0,Re=1	2.2
Appearance	n=5,Ac=0,Re=1	2.2

## RESISTANCE-TEMPERATURE CHARACTERISTICS

R<sub>25</sub> : 100.0000 Kohms ± 1.0%B<sub>25/50</sub> : 4000°K

T(°C)	R (KΩ)	T(°C)	R (KΩ)	T(°C)	R (KΩ)	T(°C)	R (KΩ)	T(°C)	R (KΩ)
-66	---	-30	1797.7500	6	244.6400	42	48.7270	78	12.9480
-65	---	-29	1689.3740	7	232.9560	43	46.7840	79	12.5310
-64	---	-28	1588.3370	8	221.9080	44	44.9300	80	12.1300
-63	---	-27	1494.0900	9	211.4560	45	43.1600	81	11.7310
-62	---	-26	1406.1330	10	201.5650	46	41.4730	82	11.3470
-61	---	-25	1324.0000	11	191.8030	47	39.8610	83	10.9770
-60	---	-24	1247.2810	12	182.5760	48	38.3220	84	10.6220
-59	---	-23	1175.5680	13	173.8540	49	36.8510	85	10.2800
-58	---	-22	1108.5010	14	165.6050	50	35.4450	86	9.9503
-57	---	-21	1045.7470	15	157.8000	51	34.1280	87	9.6330
-56	---	-20	987.0001	16	150.6120	52	32.8680	88	9.3280
-55	---	-19	931.1120	17	143.7970	53	31.6620	89	9.0330
-54	---	-18	878.7890	18	137.3340	54	30.5060	90	8.7500
-53	---	-17	829.7810	19	131.2030	55	29.4000	91	8.4740
-52	---	-16	783.8560	20	125.3850	56	28.3110	92	8.2080
-51	---	-15	740.8000	21	119.7650	57	27.2690	93	7.9520
-50	7008.4920	-14	700.7030	22	114.4320	58	26.2710	94	7.7060
-49	6509.9170	-13	663.0590	23	109.3710	59	25.3150	95	7.4680
-48	6050.7760	-12	627.7030	24	104.5650	60	24.4000	96	7.2430
-47	5627.6560	-11	594.4810	25	100.0000	61	23.5250	97	7.0260
-46	5237.4660	-10	563.2500	26	95.7230	62	22.6860	98	6.8170
-45	4877.4010	-9	533.4130	27	91.6560	63	21.8810	99	6.6150
-44	4544.9150	-8	505.3640	28	87.7870	64	21.1100	100	6.4200
-43	4237.6920	-7	478.9840	29	84.1050	65	20.3700	101	6.2430
-42	3953.6310	-6	454.1630	30	80.6000	66	19.6500	102	6.0710
-41	3690.8160	-5	430.8000	31	77.1670	67	18.9590	103	5.9060
-40	3447.5050	-4	408.6450	32	73.9010	68	18.2960	104	5.7450
-39	3222.1110	-3	387.7810	33	70.7940	69	17.6600	105	5.5900
-38	3013.1850	-2	368.1250	34	67.8360	70	17.0500	106	5.4300
-37	2819.4060	-1	349.5990	35	65.0200	71	16.4540	107	5.2750
-36	2639.5690	0	332.1300	36	62.3590	72	15.8820	108	5.1250
-35	2472.5710	1	315.2890	37	59.8220	73	15.3330	109	4.9800
-34	2317.4040	2	299.4140	38	57.4050	74	14.8060	110	4.8400
-33	2173.1480	3	284.4460	39	55.0990	75	14.3000	111	4.7010
-32	2038.9580	4	270.3250	40	52.9000	76	13.8320	112	4.5670
-31	1914.0620	5	257.0000	41	50.7640	77	13.3810	113	4.4370

## RESISTANCE-TEMPERATURE CHARACTERISTICS

R<sub>25</sub> : 100.0000 Kohms ± 1.0%B<sub>25/50</sub> : 4000°K

T(°C)	R (KΩ)	T(°C)	R (KΩ)	T(°C)	R (KΩ)	T(°C)	R (KΩ)	T(°C)	R (KΩ)
114	4.3110	150	1.6280	186	0.7080	222	0.3420	258	0.1790
115	4.1900	151	1.5920	187	0.6930	223	0.3360	259	0.1760
116	4.0750	152	1.5580	188	0.6790	224	0.3290	260	0.1740
117	3.9630	153	1.5240	189	0.6650	225	0.3230	261	0.1710
118	3.8550	154	1.4910	190	0.6510	226	0.3170	262	0.1680
119	3.7510	155	1.4590	191	0.6360	227	0.3110	263	0.1660
120	3.6500	156	1.4240	192	0.6220	228	0.3050	264	0.1630
121	3.5430	157	1.3900	193	0.6080	229	0.3000	265	0.1602
122	3.4400	158	1.3570	194	0.5940	230	0.2940	266	0.1580
123	3.3400	159	1.3240	195	0.5810	231	0.2890	267	0.1550
124	3.2430	160	1.2930	196	0.5690	232	0.2830	268	0.1530
125	3.1500	161	1.2630	197	0.5580	233	0.2780	269	0.1502
126	3.0670	162	1.2330	198	0.5470	234	0.2730	270	0.1480
127	2.9870	163	1.2040	199	0.5360	235	0.2680	271	0.1460
128	2.9090	164	1.1760	200	0.5250	236	0.2630	272	0.1430
129	2.8330	165	1.1490	201	0.5160	237	0.2590	273	0.1410
130	2.7600	166	1.1220	202	0.5070	238	0.2540	274	0.1390
131	2.6830	167	1.0960	203	0.4980	239	0.2490	275	0.1370
132	2.6090	168	1.0710	204	0.4890	240	0.2450	276	0.1340
133	2.5370	169	1.0470	205	0.4810	241	0.2410	277	0.1320
134	2.4670	170	1.0230	206	0.4720	242	0.2360	278	0.1303
135	2.4000	171	0.9980	207	0.4620	243	0.2320	279	0.1280
136	2.3380	172	0.9740	208	0.4530	244	0.2280	280	0.1260
137	2.2790	173	0.9501	209	0.4450	245	0.2240	281	0.1240
138	2.2210	174	0.9270	210	0.4360	246	0.2202	282	0.1230
139	2.1650	175	0.9050	211	0.4270	247	0.2160	283	0.1210
140	2.1100	176	0.8860	212	0.4190	248	0.2130	284	0.1190
141	2.0530	177	0.8670	213	0.4101	249	0.2090	285	0.1170
142	1.9980	178	0.8490	214	0.4020	250	0.2050	286	0.1150
143	1.9440	179	0.8310	215	0.3940	251	0.2020	287	0.1140
144	1.8920	180	0.8140	216	0.3860	252	0.1990	288	0.1120
145	1.8420	181	0.7950	217	0.3780	253	0.1950	289	0.1102
146	1.7970	182	0.7760	218	0.3710	254	0.1920	290	0.1090
147	1.7530	183	0.7580	219	0.3630	255	0.1890	291	0.1070
148	1.7100	184	0.7401	220	0.3560	256	0.1860	292	0.1050
149	1.6680	185	0.7230	221	0.3490	257	0.1820	293	0.1040

