



贴片压敏电阻器国际认证证书
CERTIFICATE OF RECOGNIZED VARISTOR

(2025 年 4 月版本)

汕头保税区松田电子科技有限公司

SHANTOU BONDED AREA SONGTIAN ELECTRONIC TECHNOLOGY CO., LTD

[Http://www.songtian.cn](http://www.songtian.cn)

压敏电阻器安全认证标准及证书号：

序号	国家		安规标准		证书号
1	中国		CQC	GB/T10193-1997 GB/T10194-1997	3225:CQC25001467314
				GB/T10193-1997 GB/T10194-1997 GB4943.1-2022 IEC61051-2:1991+And1:2009	4032:CQC25001467310
2	美国/加拿大		UL	UL1449	E528563
3	德国		TUV	EN IEC61051-1:2018 IEC61051-2018 IEC61051-2:2021 IEC61051-2-2:1991	B1171680003



产品认证证书

证书编号: CQC25001467314

发证日期: 2025年04月10日
有效期至: 2030年04月09日

委托人名称 汕头保税区松田电子科技有限公司
及注册地址 汕头保税区松田科技园东区、松田科技园西区

制造商名称 汕头保税区松田电子科技有限公司
及注册地址 汕头保税区松田科技园东区、松田科技园西区

生产企业名称 汕头保税区松田电子科技有限公司
及生产地址 汕头保税区松田科技园东区、松田科技园西区

产品名称和系列、规格、型号 压敏电阻器(贴片式)
见附页

产品标准和技术要求 GB/T 10193-1997;GB/T 10194-1997

认证模式 产品型式试验+获证后监督

上述产品符合 CQC11-471551-2022 认证规则的要求, 特发此证。
证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

可通过扫描下方二维码或登录国家认监委网站(www.cnca.gov.cn) 查验证书信息



签发:

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



产品认证证书

证书编号: CQC25001467314

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本证书及附件应同时使用, 信息查验说明见证书页

纸号:

型号规格	标称压敏电压 (V)	最大连续交流电压 A.C. r.m.s(V)
3225K201	200	130
3225K221	220	140
3225K241	240	150
3225K271	270	175
3225K301	300	190
3225K331	330	210
3225K361	360	230
3225K391	390	250
3225K431	430	275
3225K471	470	300
3225K511	510	320
3225K561	560	350
3225K621	620	385
3225K681	680	420
3225K751	750	460
3225K781	780	485
3225K821	820	510

3225K(201~821), 压敏电压范围为 200V~820V; 最大连续交流电压: 130VAC~510VAC; K 表示压敏电压的允许偏差 K:±10%, 气候类别为 40/125/56。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



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产品名称和系列、规格、型号 压敏电阻器(贴片式)
见附页

产品标准和技术要求 GB/T 10193-1997;GB/T 10194-1997;GB 4943.1-2022;IEC 61051-2:1991+Amd1:2009

认证模式 产品型式试验+获证后监督

上述产品符合 CQC11-471551-2022 认证规则的要求, 特发此证。
证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

可通过扫描下方二维码或登录国家认监委网站(www.cnca.gov.cn)查验证书信息



签发:

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



产品认证证书

证书编号: CQC25001467310

第 1 页 / 共 1 页

本证书及附件应同时使用, 信息查验说明见证书页

纸号:

型号规格	标称压敏电压 (V)	最大连续交流电压 A.C. r.m.s(V)
4032K201	200	130
4032K221	220	140
4032K241	240	150
4032K271	270	175
4032K301	300	190
4032K331	330	210
4032K361	360	230
4032K391	390	250
4032K431	430	275
4032K471	470	300
4032K511	510	320
4032K561	560	350
4032K621	620	385
4032K681	680	420
4032K751	750	460
4032K781	780	485
4032K821	820	510

4032K(201~821), 压敏电压范围为 200V~820V; 最大连续交流电压: 130VAC~510VAC; K 表示压敏电压的允许偏差 K:±10%, 气候类别为 40/125/56。



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE

Certificate of Compliance

Certificate Number:

E528563

Report Reference:

E528563-2025-05-08

Issue Date:

2025-05-13

Issued to:

SHANTOU FREE TRADE ZONE SONGTIAN ELECTRONIC TECHNOLOGY CO LTD

Songtian Science and Technology Park

Free Trade Zone

Shantou Guangdong 515071 China

This certificate confirms that representative samples of:

SURGE-PROTECTIVE DEVICES - COMPONENT

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**UL 1449 Surge Protective Devices
CSA C22.2 No. 269.5-17 Surge Protective Devices – Type 5 - Component**

Additional Information:

See UL Product iQ[®] at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.



David Piecuch

UL Mark Certification Program Owner



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

CERTIFICATE OF COMPLIANCE

Certificate number E528563
Report reference E528563-2025-05-08
Date 2025-05-13

| Look for the UL Recognized Component Mark on the product.



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

CERTIFICATE OF COMPLIANCE

Certificate number E528563
Report reference E528563-20250508
Date 2025-05-13

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Cat. Nos. 3225, followed by K, followed by 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 751, 781 or 821.

3225K201,3225K221,3225K241,3225K271,3225K301,3225K331,3225K361,3225K391,3225K431,3225K471,3225K511,3225K561,3225K621,3225K681,3225K751,3225K781,3225K821,4032K201,4032K221,4032K241,4032K271,4032K301,4032K331,4032K361,4032K391,4032K431,4032K471,4032K511,4032K561,4032K621,4032K681,4032K751,4032K781,4032K821,



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.



Product Service

CERTIFICATE

No. B 117168 0003 Rev. 00

**Holder of
Certificate:**

**Shantou Free Trade Zone Songtian
Electronic Technology Co., Ltd.**

Songtian Science And Technology Park
Free Trade Zone
515071 Shantou, Guangdong
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product:

Varistor

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.:


6810024025801

Valid until:

2030-04-09

Date,

2025-04-10


(Michael Xu)

CERTIFICATE

No. B 117168 0003 Rev. 00

Model(s): 3225K series, 4032K series

Description the rule of the

designation: 3225 or 4032 K yyy

I II III

I – 3225 or 4032 means product size.

II – K stands for tolerance of nominal varistor voltage: ± 10%.

III – yyy can be 201,221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751,781, 821, stands for nominal varistor voltage. For example, 201 stands for $20 \times 10^1 = 200V$.

Parameters:

Parameter concerns	Specification
Insulation voltage:	AC2500V
Maximum continuous voltage:	Details see Electrical Rating table
Leakage current:	Details see Electrical Rating table
Nominal varistor voltage:	Details see Electrical Rating table
Reference current:	1mA
Clamping voltage:	Details see Electrical Rating table
Class current (8/20 μs):	Details see Electrical Rating table
Maximum peak current (8/20 μs, 1time):	Details see Electrical Rating table
Climatic category:	40/125/56
Flame class:	V-0

Tested according to: EN IEC 61051-1:2018

IEC 61051-1:2018

IEC 61051-2:2021

IEC 61051-2-2:1991

CERTIFICATE

No. B 117168 0003 Rev. 00

Electrical Rating table:

Type	Maximum continuous voltage(V)		Leakage Current (μ A) (Max.)	Nominal varistor voltage (V)	Clamping Voltage (Max. V)	Class current (Max. A)	Maximum Peak Current (A)		Energy (10/1000 μ s) (Max.)	Capacitance (Typical) pF
	A.C	D.C	I_L	V_N	V_C	8/20 μ s I_c	8/20 μ s (1 times)	8/20 μ s (10 times)	J	C
3225K201	130	170	20	200	340	10	1750	450	17	200
3225K221	140	180	20	220	360	10	1750	450	20	180
3225K241	150	200	20	240	395	10	1750	450	21	170
3225K271	175	225	20	270	455	10	1750	450	24	150
3225K301	190	250	20	300	500	10	1750	450	26	130
3225K331	210	275	20	330	550	10	1750	450	28	125
3225K361	230	300	20	360	595	10	1750	450	32	110
3225K391	250	320	20	390	650	10	1750	450	35	100
3225K431	275	350	20	430	710	10	1750	450	40	90
3225K471	300	385	20	470	775	10	1750	450	42	80
3225K511	320	415	20	510	845	10	1750	450	45	75
3225K561	350	460	20	560	925	10	1750	450	50	70
3225K621	385	505	20	620	1025	10	1750	450	55	65
3225K681	420	560	20	680	1120	10	1750	450	60	60
3225K751	460	615	20	750	1240	10	1750	450	65	55
3225K781	485	640	20	780	1290	10	1750	450	69	55
3225K821	510	670	20	820	1355	10	1750	450	73	50
4032K201	130	170	20	200	340	25	3500	875	35	460
4032K221	140	180	20	220	360	25	3500	875	39	435
4032K241	150	200	20	240	395	25	3500	875	42	410
4032K271	175	225	20	270	455	25	3500	875	50	395
4032K301	190	250	20	300	500	25	3500	875	55	370
4032K331	210	275	20	330	550	25	3500	875	58	340
4032K361	230	300	20	360	595	25	3500	875	65	225
4032K391	250	320	20	390	650	25	3500	875	70	210
4032K431	275	350	20	430	710	25	3500	875	80	190
4032K471	300	385	20	470	775	25	3500	875	85	180
4032K511	320	415	20	510	845	25	3500	875	90	175
4032K561	350	460	20	560	925	25	3500	875	92	160
4032K621	385	505	20	620	1025	25	3500	875	95	145
4032K681	420	560	20	680	1120	25	3500	875	98	130
4032K751	460	615	20	750	1240	25	3500	875	100	115
4032K781	485	640	20	780	1290	25	3500	875	105	115
4032K821	510	670	20	820	1355	25	3500	875	110	105

Remark:

Annex G.8.1 of IEC 62368-1:2018 and Annex Q of IEC 60950-1:2005/A2:2013 apply for 4032K series.