

QV1206P471KT101 SMD Series Surface Mount Piezoresistive Device Anti-Lightning Surge

Basic Information

- Place of Origin:
- Brand Name:
- Certification: UL,VDE,CSA
- Model Number: QV1206P471KT101

China

Lin Kun

- Minimum Order 10000pcs
 Quantity:
- Price: Negotiable
- Packaging Details: 1000pcs/plate
- Delivery Time: 5-7 Days
- Payment Terms: T/T,Paypal, Western Union
- Supply Ability: 100000PCS/Month



Product Specification

- Part Number: 1206 Series
- Inch (mm) External 1206 0.12×0.06 (3.2×1.6)
 Dimension L×W:
- Max. Working Voltage: Dc : 385V Ac : 300V
- Varistor Voltage @1mA 470±10%
 DC:
- Peak Current (8/20µs): IP : 100 (A)
- Max. Clamping Voltage Vc : 775 (V) (8/20µs):
- Typical Capacitance Cp : 150- 5(J) @1MHz:
- Operation Ambient -40 +125°C Temperature:
- Highlight:

SMD Series Surface Mount Piezoresistive

More Images





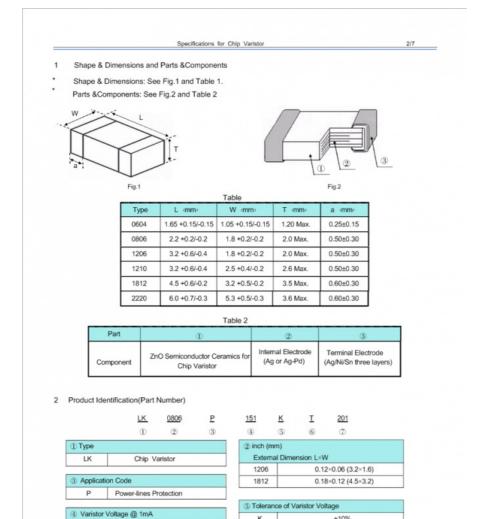




Our Product Introduction







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201

⑦ Max. Surge Current @8/20µ s

RA 2.5KV Max. Ring Wave Voltage

241

6 Packaging

Tape

Bulk

т

В

240V

±10%

200A

Specifications for Chip Varistor 3/7

3 Electrical Characteristics

I. LK0604

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Part No.	Max. Working Volta		Varistor Voltage @1mA DC	Max. Clamping Voltag (8/20µ s)		Max. Ring Wave e Voltage (@30Ω)	Operation
	V _{AC} (V)	$V_{DC}(V)$	V _{1mA} (V)	Vc(V)	lc(A)	V _{Ring wave}	remperature
LK0604P271KTRA	175	225	270±10%	450	1	2.5KV	-40~+125≿

II. LK0806~LK2220

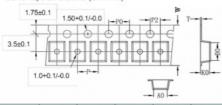
Part No.	Max. Working Voltage		Varistor Voltage @1mA DC	Max. Clamping Voltage (8/20µs)		Peak Current (8/20µ s)	Operation Ambier Temperature	
	V _{AC} (V)	V _{DC} (V)	V _{1mA} (V)	Vc(V)	lc(A)	lp(A)		
LK0806P241KT201	150	200	240±10%	395	1	200	-40~+125≿	
LK0806P271KT201	175	225	270±10%	450	1	200	-40∼+125 č	
LK0806P431KT101	275	350	430±10%	705	1	100	-40 ~ +125 ≿	
LK0806P471KT101	300	385	470±10%	775	1	100	-40~+125≿	
LK1206P271KT301	175	225	270±10%	450	1	300	-40~+125≿	
LK1206P431KT151	275	350	430±10%	705	1	150	-40 ~ +125 ≿	
LK1206P471KT101	300	385	470±10%	775	1	100	-40∼+125 ≿	
LK1206P511KT101	320	410	510±10%	850	1	100	-40 ~ +125 ≿	
LK1210P471KT401	300	385	470±10%	775	2.5	400	-40~+125≿	
LK1210P511KT301	320	410	510±10%	850	2.5	300	-40 ~ +125 ≿	
LK1812P471KT601	300	385	470±10%	775	5	600	-40∼+125 č	
LK2220P471KT801	300	385	470±10%	775	10	800	-40~+125≿	

		Specifications for Chip Varistor	4/6	
4 1	Test and Measu	rement ProceduresTest Conditions		
	Unless otherwi	ise specified, the standard atmospherionditions for n	neasurement/test as:	
	a. Ambient Ten	nperature: 20±15 ≿		
	b. Relative Hun			
		: 86kPa to 106kPa		
	be made with	on the results, measurements/tests should nin the following limits:		
		Temperature: 25±2 C		
		Humidity: 65±5% sure: 86kPa to 106kPa		
	C. All Piese	ule. Ookra lo lookra		
In	spection Equip	ment .		
Vi	sual Examination	on: 20×magnifier		
Va	aristor Voltage te	st: Varistor tester		
Re	eliability Test			
No	Items	Test conditions / Methods Requirements		
1	Bending Resistance	Warp: 2mm Speed<0.5mm/s Duration: 10s	 No visible mechanical damage. 2 △V1mA /V1mA 5%. 	
2	Terminal Strength	Speed < 0.5mm/s Apply force: 10N Duration: 10±1s	No removal or split of the termination	
			① No visible mechanical damage.	
-		Colder termenture 240+E h		
3	Solderability	Solder temperature: 240±5 ≿ ; Dipping Duration: 3±0.3s;	2 Wetting shall exceed 90% coverage.	
3	Solderability	Dipping Duration: 3±0.3s;	Wetting shall exceed 90% coverage. No visible mechanical damage.	
4	Solderability Resistance to Soldering Heat			
4	Resistance to	Dipping Duration: 3±0.3s; Solder temperature: 260±5 č ;	No visible mechanical damage.	

	Specifications for Chip Varistor	5/7	
6 High Temp. Storage	Temperature: 125±2 ≿ Duration: 1000±24 h.		
7 High Temp. Load	Temperature: 125±2 ≿ Loading Voltage: V ∧c. Duration: 1000±24 h.	 ① No visible mechanical damag ② △V1mA /V1mA 10%. 	
8 Damp Heat Load	Temperature: 40±2 č Humidity: 90% ~ 95% RH. Loading Voltage: V Ac. Duration: 500±12 h.		
Maximum Surge	Pulse waveform: 8/20 us Number of hit: each 1 time of +/- polarity	No visible mechanical damage D No visible mechanical damage D	

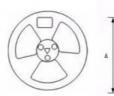
6 Taping





Туре АО	BO	K0	T Max.	W	P0	Р	P2	
	(±0.2) (±0.2) (±0.2)	(±0.2)		(±0.3)	(±0.2)	(±0.2)	(±0.2)	
0604	1.3	2.1	1.3	0.30	8.0	4.0	4.0	2.0
0806	2.1	2.5	2.1	0.30	8.0	4.0	4.0	2.0
1206	2.1	3.8	2.1	0.30	8.0	4.0	4.0	2.0
1210	3.1	3.8	2.8	0.30	8.0	4.0	4.0	2.0
1812	3.8	5.2	3.6	0.30	12.0	4.0	8.0	2.0
2220	6.9	6.8	3.8	0.30	12.0	4.0	8.0	2.0

(2) Taping reel dimensions



	Type	Spec	Dimensions(mm)			
-11	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		A	W	С	
	0604	7"	178±2	8.4+2.0/-0.0	58±2	
	0806	7"	178±2	8.4+2.0/-0.0	58±2	
° HH	1206	7"	178±2	8.4+2.0/-0.0	58±2	
	1210	7"	178±2	8.4+2.0/-0.0	58±2	
	1812	7"	178±2	12.4+2.0/-0.0	58±2	
	2220	7"	178±2	12.4+2.0/-0.0	58±2	

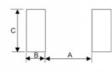
6/7

(3) Packaging quantity

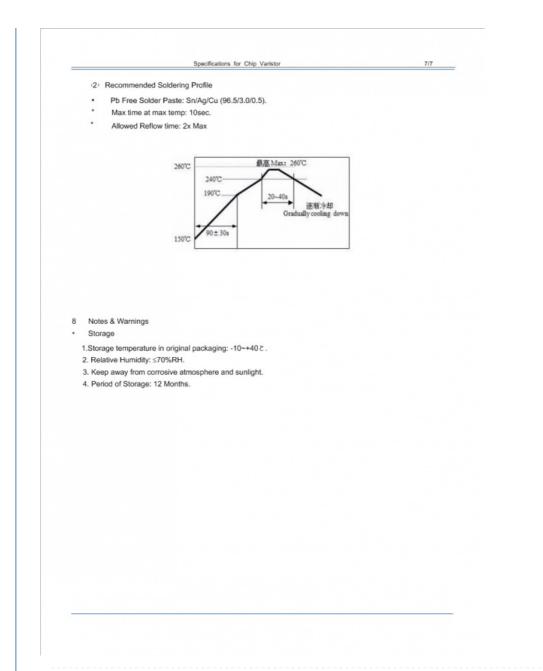
Туре	Таре	Quantity(pcs/reel)
0604		ЗК
0806	Embossed Tape	2K
1206		2K
1210	1	1K
1812	1	500
2220	1	500

7 Soldering Recommendation

1. Recommended Land pattern



Туре	A (mm)	B (mm)	Comm
0604	1.0~1.3	0.9~1.2	1.1~1.4
0806	1.2~1.6	0.8~1.2	1.6~2.2
1206	1.8~2.5	1.2~1.8	1.5~2.0
1210	1.8~2.5	1.3~2.0	2.2~3.0
1812	2.5~3.3	1.5~2.2	3.0~3.8
2220	4.1~4.9	1.5~2.2	5.7~6.4



Product Description:

SMD Varistor Device is a kind of Surface Mounted Device Varistor specially designed for ESD protection. It provides excellent protection against lightning surges, transients, and other high-energy disturbances. It features tolerance of Varistor Voltage of ±10% and ±15%, external dimension of 1206 0.12×0.06 (3.2×1.6) and 1812 0.18×0.12 (4.5×3.2), max. working voltage of DV 5.5V-85V and AC 4V-60V, and peak current of 20- 1200 (A) according to the part number of QV0402 2220H Series. It is perfectly suited for a variety of applications including consumer electronics, automotive electronics, medical equipment, industrial electronics, etc.

Features:

Product Name: SMD Chip Varistor Part Number: QV0402 2220H Series Size: 0402- 2220 Max. Working Voltage: DV : 5.5V-85V AC : 4V-60V Peak Current (8/20µs): IP : 20- 1200 (A) Element: SMD Varistor Element Device: Surface Mounted Varistor Device Type: Surface Mounted Device Varistor

Technical Parameters:

 Parameter
 Value

 Product Name
 SMD Chip Varistor

 Part Number
 QV0402~2220H Series

Max. Working Voltage (DC/AC)	DV: 5.5V~85V AC: 4V~60V
Varistor Voltage @1mA DC	12V~102V
Tolerance of Varistor Voltage	±10% ±15%
Typical Capacitance @1MHz	Cp: 150~5J
External Dimension (inch/mm)	1206: 0.12"×0.06" (3.2×1.6) 1812: 0.18"×0.12" (4.5×3.2)
Peak Current (8/20µs)	IP: 20~1200A
Size	0402~2220
Max. Clamping Voltage (8/20µs)	Vc: 24~175V IP: 20~5A
(r-)	

Applications:

Lin Kun SMD Varistor Element - Surface Mount Varistor Device - - -

Lin Kun SMD Varistor Element is a surface mount varistor device for protecting against transient voltage surges. It is UL,VDE,CSA certified and comes in a variety of sizes ranging from 0402 to 2220. With a minimum order quantity of 4000/3000/2000pcs/plate and price that is negotiable, the SMD Varistor Element is available in a wide range of varistor voltage tolerances (±10% ±15%) and varistor capacitance (Cp : 150- 5(J)). It has a maximum clamping voltage (8/20µs) of Vc : 24-175 (V) IP : 20-5(A). Lin Kun SMD Varistor Element is a reliable and cost-effective solution for protecting electronic components from voltage surges. With a production capacity of 1000000PCS/Month, it is a great choice for your surface mount varistor needs. The delivery time for the product is 5-7 days and payment can be made via T/T,Paypal, Western Union.

Customization:

SMD Varistor Brand Name: Lin Kun Model Number: SMD Surface Mount Varistors Place of Origin: China Certification: UL, VDE, CSA Minimum Order Quantity: 4000/3000/2000pcs/plate Price: Negotiable Packaging Details: 4000/3000/2000pcs/plate Delivery Time: 5-7 Days Payment Terms: T/T, Paypal, Western Union Supply Ability: 100000PCS/Month Product Name: SMD Chip Varistor Typical Capacitance @1MHz: Cp: 150-5(J) Part Number: QV0402 2220H Series inch (mm) External Dimension L×W: 1206 0.12×0.06 (3.2×1.6) 1812 0.18×0.12 (4.5×3.2) Max. Working Voltage: DV : 5.5V-85V AC : 4V-60V Surface Mount Varistor, Surface Mount Device Varistor, Surface Mounted Varistor, SMD Varistor

Support and Services:

SMD Varistor Technical Support and Service

We provide comprehensive technical support and service for all of our SMD Varistor products. Our experienced and knowledgeable technical support team is available to answer any questions you may have. We offer a variety of services, including: Product Selection Assistance

Installation and Troubleshooting Support

Online Diagnostics and Repair Services

Software Updates and Upgrades

Product Training and Education

Our team of experts is dedicated to providing the highest level of customer service and satisfaction. If you have any questions or need any assistance, please don't hesitate to contact us.

Packing and Shipping:

SMD Varistor Packaging and Shipping: SMD Varistors are safely packaged in an ESD-safe vacuum bag to ensure the product is free from dust and dirt. The vacuum bag is then sealed in an anti-static plastic container to ensure the product stays safe during shipping. Finally, the container is placed into a sealed cardboard box and shipped to the customer.

FAQ:

Q: What is SMD Varistor?

A: SMD Varistor is a type of voltage dependent resistor (VDR) with a nonlinear characteristic. It is commonly used to protect circuits from overvoltage transients.

Q: What is the Brand Name of SMD Varistor?

A: The Brand Name of SMD Varistor is Lin Kun.

Q: What is the Model Number of SMD Varistor?

A: The Model Number of SMD Varistor is SMD Surface Mount Varistors.

Q: Where is SMD Varistor from?

A: SMD Varistor is from China.

Q: What Certifications does SMD Varistor have?

A: SMD Varistor has UL, VDE, and CSA Certifications.

