Surge arrester

2-Electrode arrester

Series/Type: **5.5x6 series L-KLS5-GDTH5560**

Version/Date: **Issue 01/2018-01-02**

Surge arrester

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L-KLS5-GDTH5560

Features	Applications
● Extremely small size ● Extremely fast response time ● Excellent SMD handing ● Stable performance over life ● Very low capacitance ● High insulation resistance ● RoHS-compatible	● Communication equipment ● broadband equipment ● Power supplier

Electrical Characteristics

Part Number	DC Spark-over Voltage	Impulse Spark-over Voltage		Minimum Insulation Resistance	Maximum Capacitance	Arc Voltage	Service Life		
							Nominal Impulse Discharge Current	Max Impulse Discharge Current	Nominal Discharge Current
	@100V/S	@100V/μs	@1KV/μs		@1MHz	@1A	@8/20μs ±5 times	@8/20μs 1 time	@50Hz 1 Sec 10 times
L-KLS5-GDTH5560-2R75L	75V±20%	≤500V	≤600V	1 GΩ (At 25V)	＜1.0pF	~15V	5KA	10KA	5A
L-KLS5-GDTH5560-2R90L	90V±20%	≤500V	≤600V	1 GΩ (At 50V)	＜1.0pF	~15V	5KA	10KA	5A
L-KLS5-GDTH5560-2R150L	150V±20%	≤500V	≤650V	1 GΩ (At 25V)	＜1.0pF	~15V	5KA	10KA	5A
L-KLS5-GDTH5560-2R230L	230V±20%	≤600V	≤700V	1 GΩ (At 100V)	＜1.0pF	~15V	5KA	10KA	5A
L-KLS5-GDTH5560-2R350L	350V±20%	≤800	≤900	1 GΩ (At 100V)	＜1.0pF	~15V	5KA	10KA	5A
L-KLS5-GDTH5560-2R470L	470V±20%	≤1000	≤1100	1 GΩ (At 100V)	＜1.0pF	~15V	5KA	10KA	5A
L-KLS5-GDTH5560-2R600L	600V±20%	≤1200	≤1300	1 GΩ (At 100V)	＜1.0pF	~15V	5KA	10KA	5A

Materials	Nickel-plated with tinplate wires
Product Marking (Blue positive)	**2RXXXL** XXX -Nominal voltage
Storage and Operational Temperature	-40 to +90°C
Weight	~1g
Climatic category (IEC 60068-1)	40/ 90/ 21

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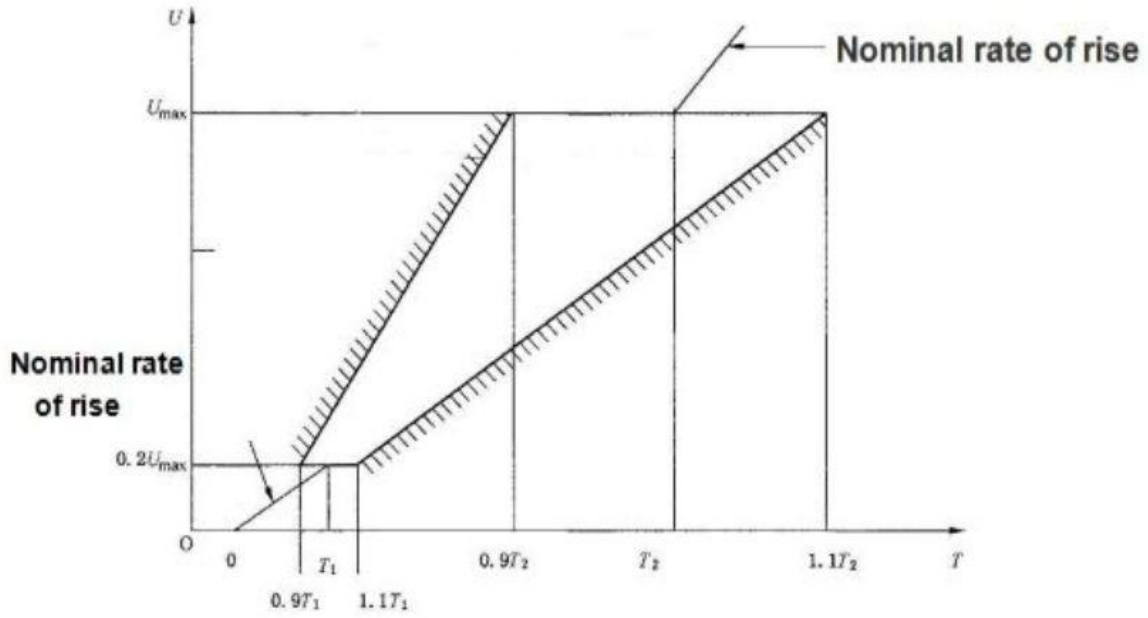
DC breakdown voltage



8/20us, Test wave

T1=1.25T=8us±20%

T2=20us±20%

10/700us,Test Wave

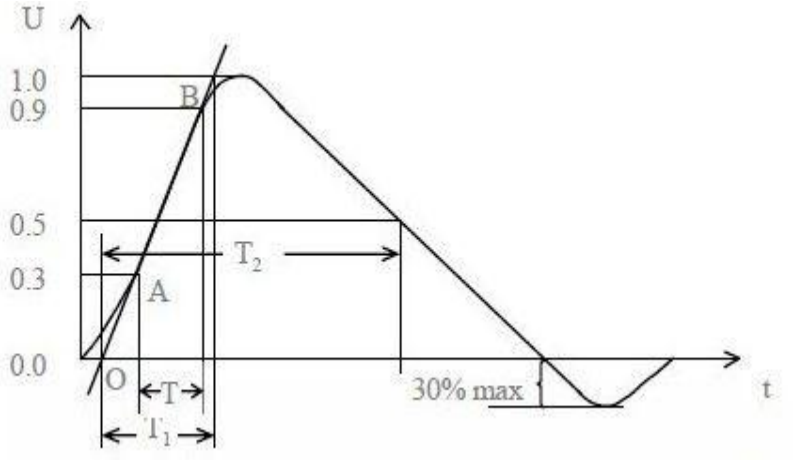
T1=1.67T=10us±20%

T2=700us±20%

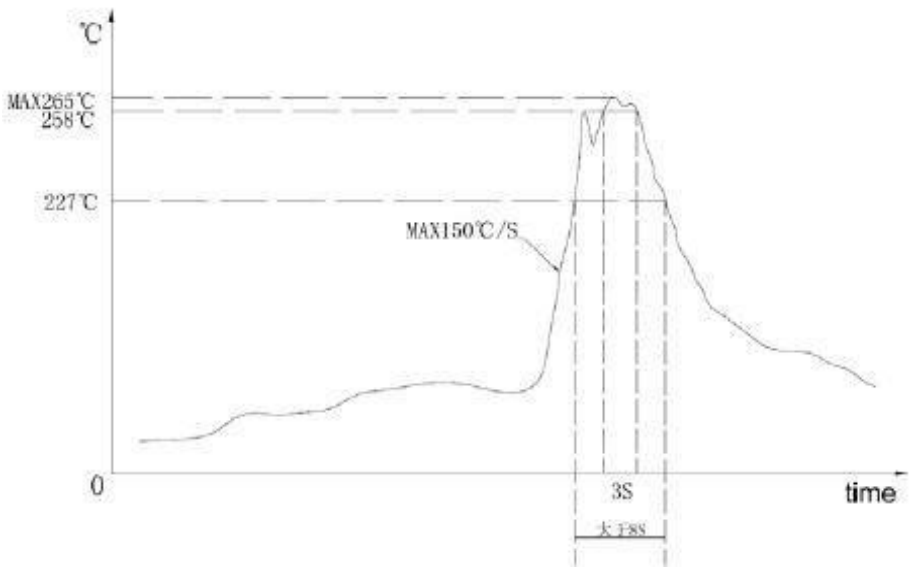
10/1000us,Test Wave

T1=1.67T=10us±20%

T2=1000us±20%



Recommended wave soldering profile



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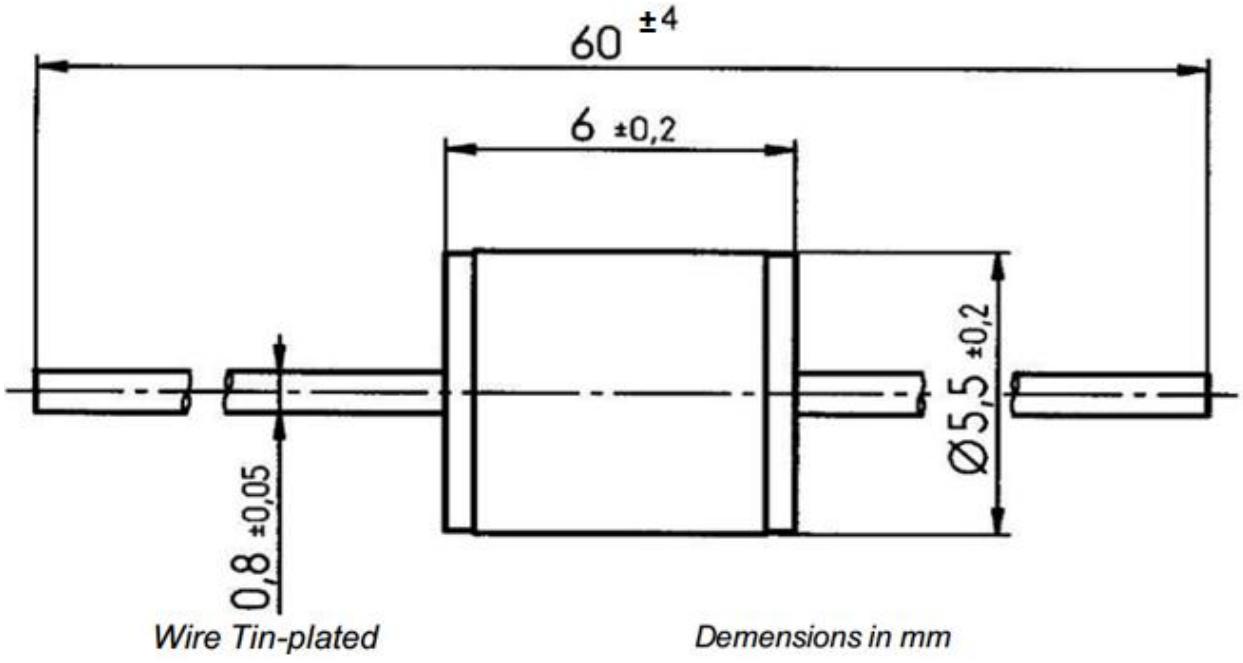
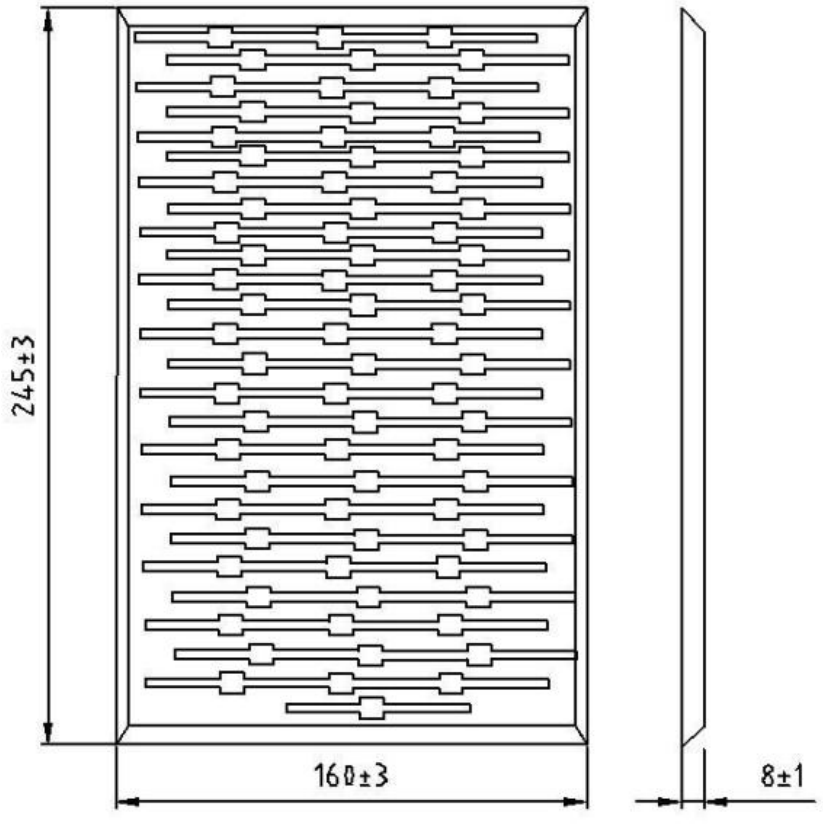
Dimensions



Packaging



100pcs/box

Cautions and warnings

- Surge arresters must not be operated directly in power supply networks
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- If the contacts of the surge arrester are defective, current stress can lead to the formation of sparks and loud noises.
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.