

Product Specification

Number: L-KLS5-GDTH8060-2Rxxxx
Name: 2 POLE Through Hole Gas
Customer: Discharge Tube
Date: 2026-06-10

Process Change: V2.0 (Quality Improvement)



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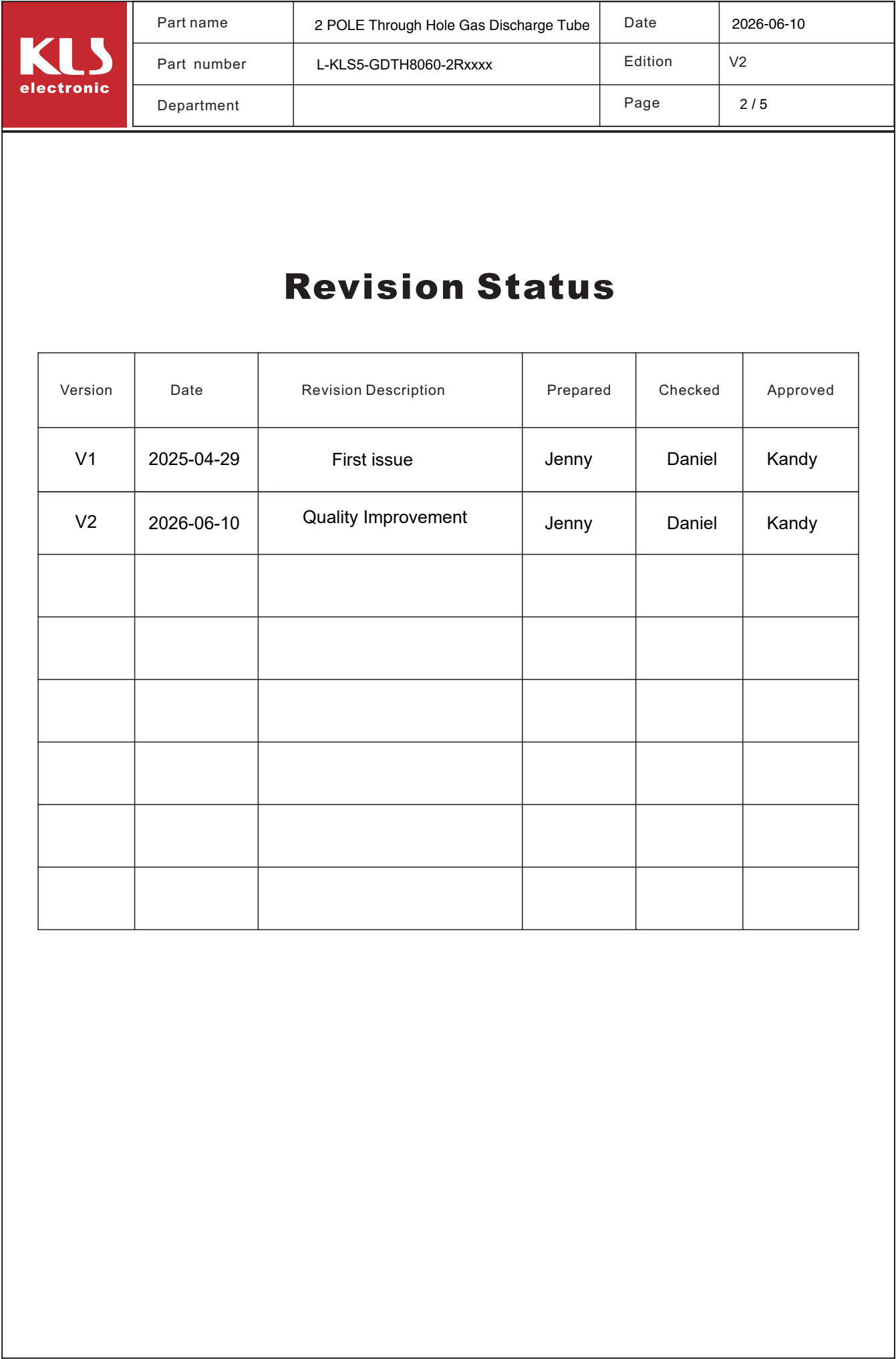
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Compile	Check	Review	Approval
Jenny	Jack.C		



Surge arrester

2-Electrode arrester

- Extremely small size
- Extremely fast response time
- Stable performance over life
- Very low capacitance
- Low insertion loss
- SGS-compatible
- Communication equipment
- Telecom SLIC protection
- Power supplier
- Broadband equipment

Electrical Characteristics

Technical Data:

Type(have no lead wire) Φ8×6mm	8060-2R75	8060-2R90	8060-2R150	8060-2R230	8060-2R250	8060-2R350	8060-2R500	8060-2R600	8060-2R800
Type(have lead wire) Φ8×6mm	8060-2R75L	8060-2R90L	8060-2R150L	8060-2R230L	8060-2R250L	8060-2R350L	8060-2R500L	8060-2R600L	8060-2R800L
Nominal DC Spark-over voltage 100V/s(V)	75	90	150	230	250	350	500	600	800
Deviation of VS (V)%	±25	±20	±20	±20	±20	±20	±20	±20	±20
Impulse spark-over voltage 100V/μs(V)	≤500	≤500	≤500	≤600	≤600	≤900	≤1100	≤1200	≤1400
Impulse spark-over voltage 1KV/μs(V)	≤600	≤600	≤650	≤700	≤750	≤1000	≤1200	≤1300	≤1600
Impulse discharge current 10/350μs(KA) 1times	4	4	4	4	4	4	4	4	4
Impulse discharge current 8/20μs(KA) 10times	20	20	20	20	20	20	20	15	10
Impulse discharge current 10/1000μs(A/times)	200/300	200/300	200/300	200/300	200/300	200/300	200/300	200/300	200/300
Alternating discharge current 50Hz 10times(A)	20	20	20	20	20	20	20	20	20
Insulation resistance (Ω)	≥10 ⁸	≥10 ⁸	≥10 ⁹	>10 ⁹	>10 ⁹	>10 ⁹	>10 ⁹	>10 ⁹	>10 ⁹
Capacitance (1 MHz) pF	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3

Part Numbering



L-KLS5-GDTH8060 -2R xxx x

L=have lead wire None=have no lead wire

Nominal DC Spark-over Voltage

75 = 75V 350=350V
90 = 90V 500=500V
150 = 150V 600=600V
230 = 230V 800=800V
250=250V

2-Electrode arrester

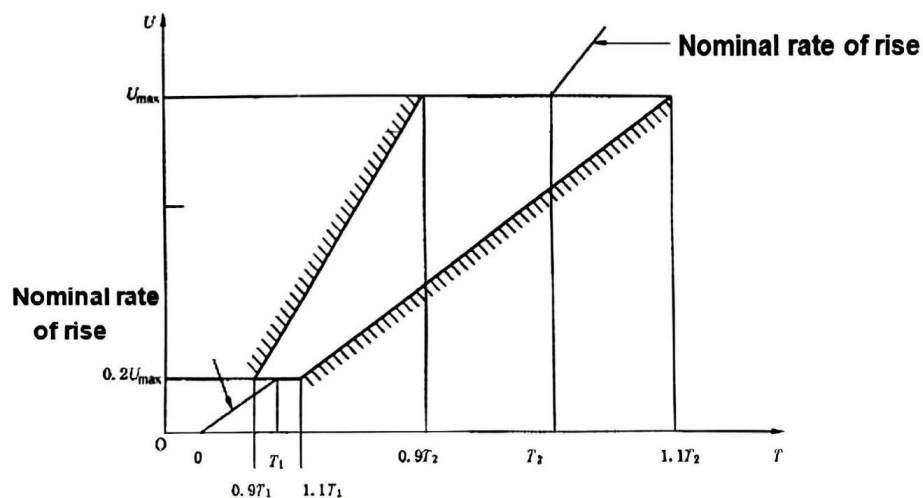
Gas Discharge Tube

Materials	Nickel-plated with tinplate wires
Product Marking (Blue positive)	L-KLS5-GDTH8060-2Rxxx x XXX -Nominal voltage
Storage and Operational Temperature	-40 to +125°C
Weight	~1.5g
Climatic category (IEC 60068-1)	40/ 90/ 21

Surge arrester

2-Electrode arrester

DC breakdown voltage



8/20us, Test wave

$T_1 = 1.25T = 8\mu s \pm 20\%$

$T_2 = 20\mu s \pm 20\%$

10/700us, Test Wave

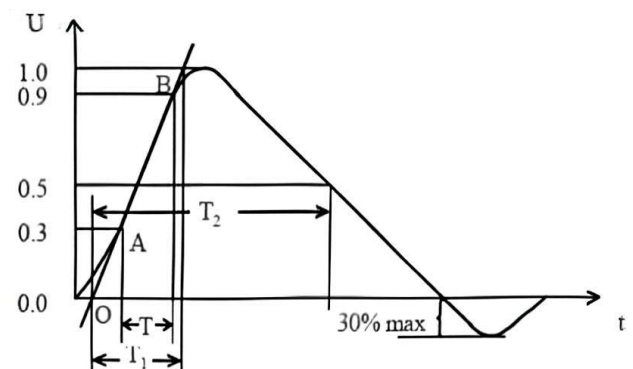
$T_1 = 1.67T = 10\mu s \pm 20\%$

$T_2 = 700\mu s \pm 20\%$

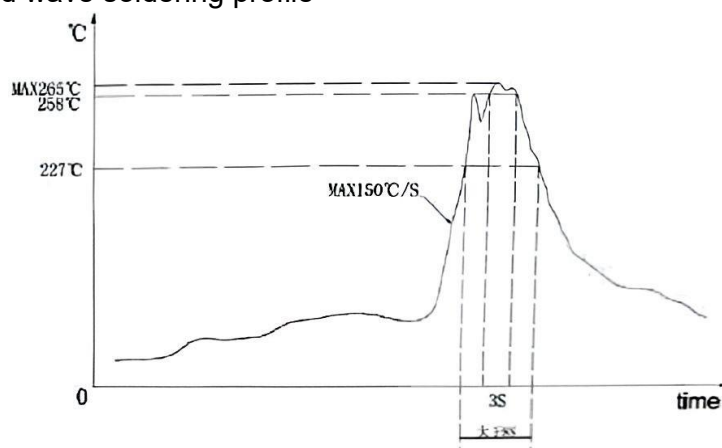
10/1000us, Test Wave

$T_1 = 1.67T = 10\mu s \pm 20\%$

$T_2 = 1000\mu s \pm 20\%$



Recommended wave soldering profile

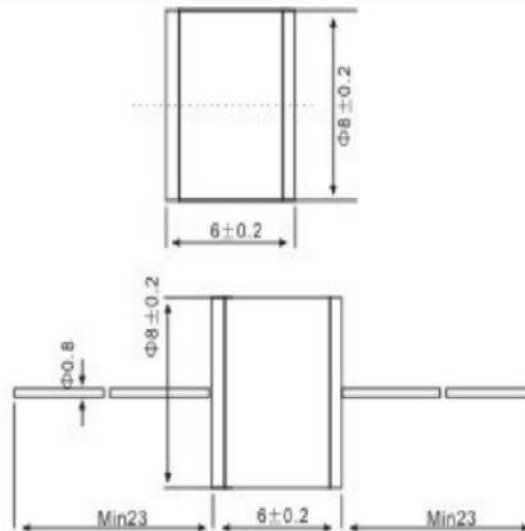


Part name	2 POLE Through Hole Gas Discharge Tube	Date	2026-06-10
Part number	L-KLS5-GDTH8060-2Rxxxx	Edition	V2
Department		Page	5 / 5

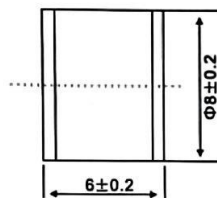
Surge arrester

2-Electrode arrester

Dimensions



Packaging 100pcs/box; 1000pcs/carton; 5000pcs/carton



Packing 450PCS/reel ; 500PCS/box

Cautions and warnings

- Surge arresters must not be operated directly in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- 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.