

GDT10KA2R75A-L8060 Thru GDT10KA2R800A-L8060

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GDT10KA2R75A-L8060 Thru GDT10KA2R800A-L8060**2-Electrode Arrester : 75V ~ 800V (10KA)****Features**

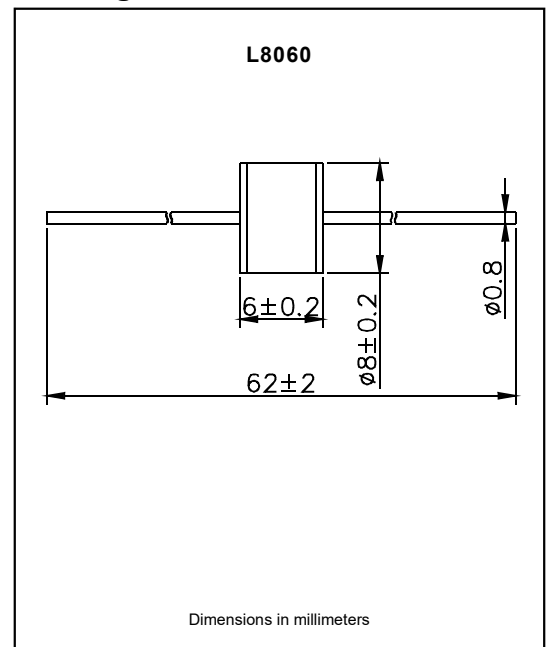
- Non-Radioactive.
- RoHS compliant.
- High insulation resistance.
- Excellent response to fast rising transients.
- Ultra low capacitance.
- 10~20KA surge capability tested with 8/20μs pulse as defined by IEC 61000-4-5.
- Solder iron temperature : 350, ±5°C (Heating time : 5secnds max).
- Lead-free parts meet RoHS requirements.
- Suffix "-H" indicates Halogen free parts, ex. GDT10KA2R75A-L8060-H.

Applications

- Communication lines and equipment.
- Telecom SLIC protection.
- Power supplies.
- Instrumentation circuits.

Mechanical data

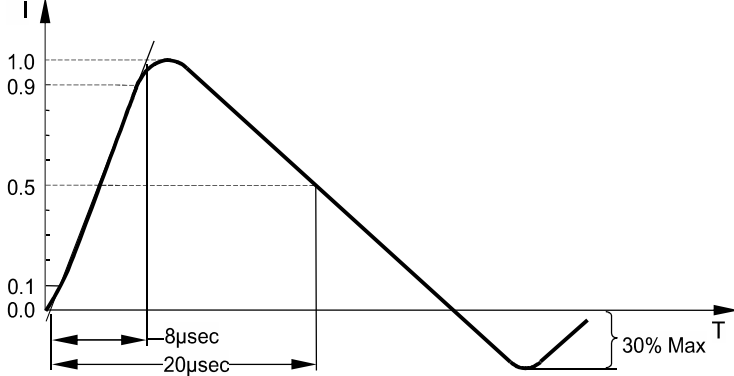
- Case : L8060.
- Mounting Position : Any.
- Weight : 1.6 gram.

Package outline**Electrical specifications**

Parameter	Condition	GDT10 KA2R 75A -L8060	GDT10 KA2R 90A -L8060	GDT10 KA2R 150A -L8060	GDT10 KA2R 230A -L8060	GDT10 KA2R 250A -L8060	GDT10 KA2R 300A -L8060	GDT10 KA2R 350A -L8060	GDT10 KA2R 420A -L8060	GDT10 KA2R 470A -L8060	GDT10 KA2R 600A -L8060	GDT10 KA2R 800A -L8060	Unit
DC Spark-over voltage	100V/s, ±20%	75	90	150	230	250	300	350	420	470	600	800	V
Impulse spark-over voltage	100V/μs	500	500	500	600	700	800	800	900	900	1100	1200	V
	1KV/μs	600	600	600	700	800	900	900	1000	1000	1200	1400	
Minimum insulation resistance		25	50	50	100	100	100	100	100	100	100	100	V
		1	1	1	1	1	1	1	1	1	1	1	GΩ
Maximum capacitance	1MHz	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	pF
AC Voltage	1A	15	15	20	20	20	20	20	20	20	20	20	V
Nominal impulse discharge current	8/20μs, ±5 times	10	10	10	10	10	10	10	10	10	10	10	KA
Max impulse discharge current	8/20μs, 1 times	20	20	20	20	20	20	20	20	20	20	20	KA
Nominal impulse discharge current	50Hz, 1sec, 10times	10	10	10	10	10	10	10	10	10	10	10	A
Impulse life	10/1000μs, 300 times	100	100	100	100	100	100	100	100	100	100	100	A

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Electrical rating

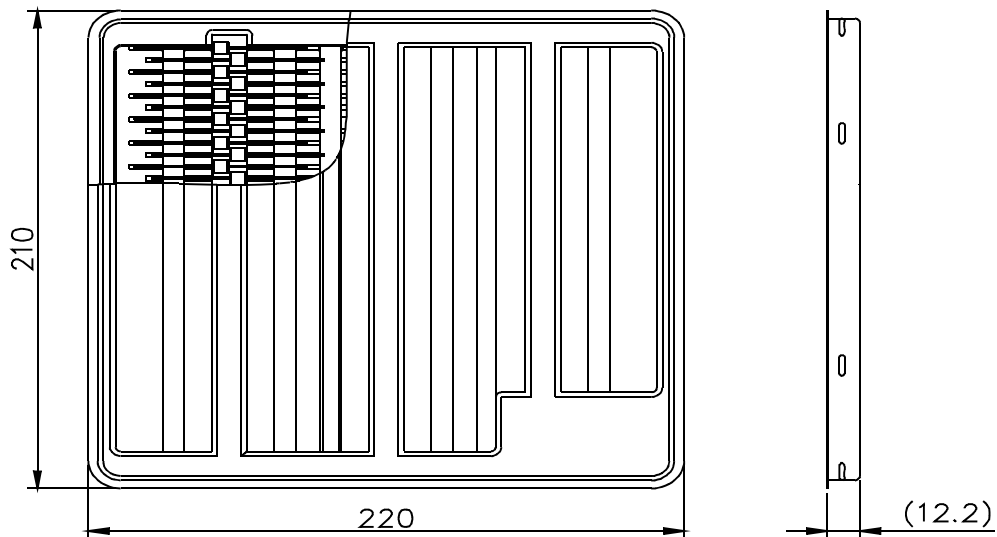
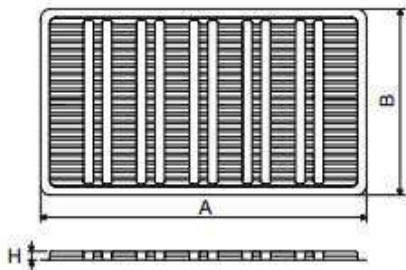
Item	Test Condition / Description	Requirement
DC Spark-over Voltage	The voltage is measured with a slowly rate of rise $dv / dt = 100V/s$	To meet the specified value
Impulse Spark-over Voltage	The maximum impulse spark-over voltage is measured with a rise time of $dv / dt = 100V/\mu s$ or $1KV/\mu s$	
Insulation Resistance	The resistance of gas tube shall be measured each terminal each other terminal, please see above spec.	
Capacitance	The capacitance of gas tube shall be measured each terminal to each other terminal. Test frequency :1MHz	
Nominal Impulse Discharge Current	The maximum current applying a waveform of 8/20μs that can be applied across the terminals of the gas tube. One hour after the test is completed, re-testing of the DC spark-over voltage does not exceed $\pm 30\%$ of the nominal DC spark-over voltage. Dwell time between pulses is 3 minutes. 	
Nominal Alternating Discharge Current	Rated RMS value of AC current at 50Hz, 1 sec. 10 times. Intervals: 3min. The DC spark-over voltage does not exceed $\pm 30\%$ of the nominal DC spark-over voltage. $IR > 10^8 ohms$.	

Marking

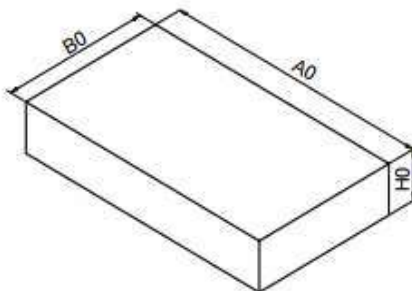
Type number	Marking code
GDT10KA2R75A-L8060	75M
GDT10KA2R90A-L8060	90M
GDT10KA2R150A-L8060	150M
GDT10KA2R230A-L8060	230M
GDT10KA2R250A-L8060	250M
GDT10KA2R300A-L8060	300M
GDT10KA2R350A-L8060	350M
GDT10KA2R420A-L8060	420M
GDT10KA2R470A-L8060	470M
GDT10KA2R600A-L8060	600M
GDT10KA2R800A-L8060	800M

GDT10KA2R75A-L8060 Thru GDT10KA2R800A-L8060**Packing information**

Part Number	Description	Quantity
GDT10KA2R75A-L8060 Thru GDT10KA2R800A-L8060	100PCS per Tray, 10 Trays / Inner Carton	1000 PCS

**Axial packing (Bulk)****Skin packing**

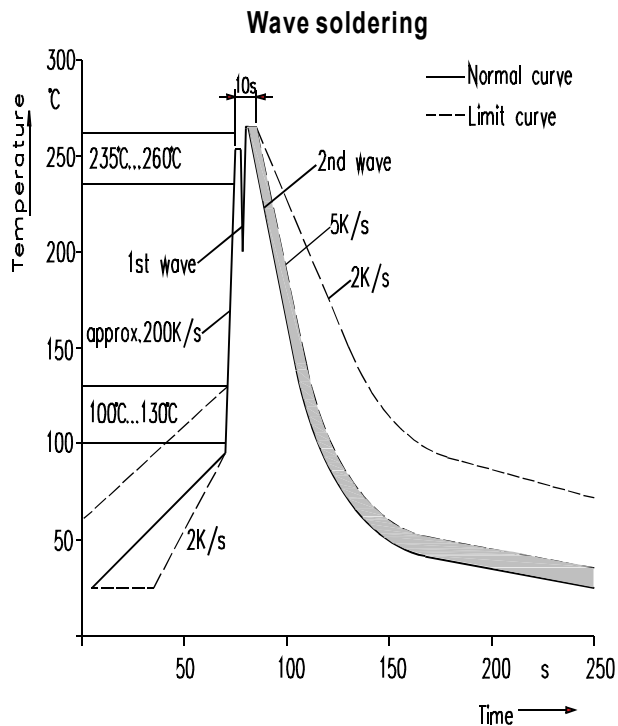
Symbol	Dimension (cm)	
	Spec.	Tolerance
A	21.0	±0.5
B	22.0	±0.5
H	1.0	±0.5
Quantity: 100pcs		

Inner box

Symbol	Dimension (cm)	
	Spec.	Tolerance
A0	23.0	±0.5
B0	22.0	±0.5
H0	13.0	±0.5
Quantity: 1000pcs		

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Recommended soldering profile



Soldering profile applied a single process

