



RA-C6-Y series

RA-C6-Y series is a compact radial type fast response surge absorber. It has a surge withstand capacity of 2,000A and is ideal for protecting equipment and devices from induced lightning surges that occur in communication lines and power lines.



Safety Standard		File No.
UL	:UL497B	E139599
UL	:UL1449	E322107
cUL	:C22.2 No.269.5	
TÜV	:EN62368-1	J50114145

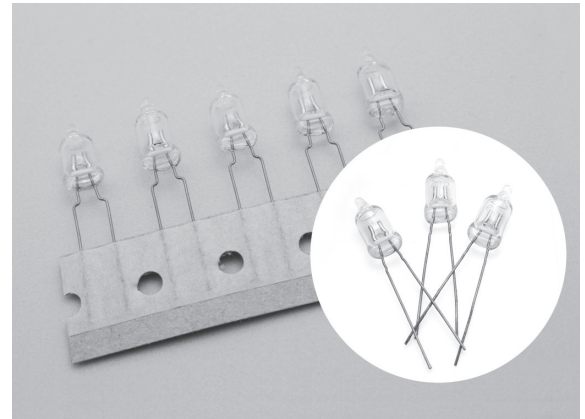
* File No. may be revised without notice. Please contact us at the time of your request for certifications.

Features

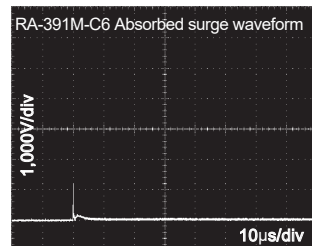
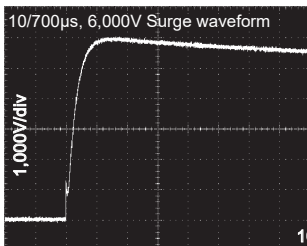
- Compact, fast response time
- Taping available
- UL, cUL, TÜV certified

Applications

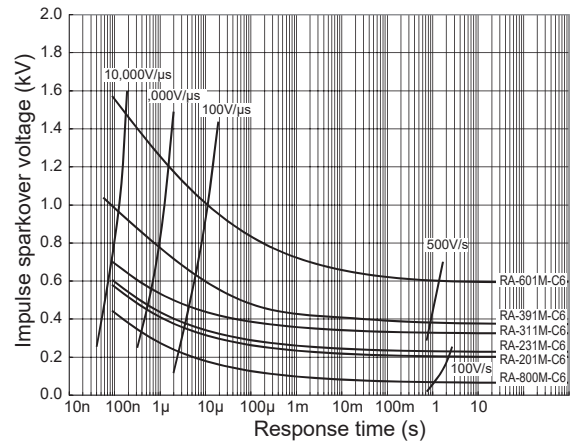
- Home telephones, business phones, PBX
- Mobile radio base stations
- Optical transmission system equipment
- CATV equipment, CS/BS equipment
- Fire alarms, home security



Impulse Absorption Characteristics



V-t Characteristics



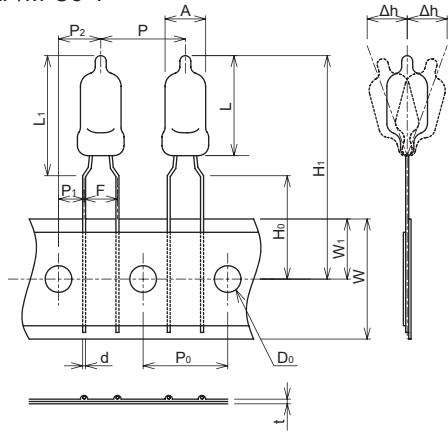
Electrical Specifications

Model Number P: Without Marking M: Marking	DC Breakdown Voltage (V)	Impulse Sparkover Voltage 1.2/50µs (V) max.		Insulation Resistance (MΩ) min.	Electrostatic Capacitance 1MHz (pF) max.	Impulse Life Test 8/20µs 100A	Impulse Current Capacity 8/20µs (A)	Withstanding Voltage
		Applied Voltage	Specification					
RA-800P/M-C6-Y	80 (64~96)	-	-	1,000 (DC50V)	1.0	300	2,000	-
RA-201P/M-C6-Y	200 (160~240)	-	-	1,000 (DC100V)				-
RA-231P/M-C6-Y	230 (184~276)	1kV/10µs	600V max.					-
RA-311P/M-C6-Y	310 (264~356)							-
RA-351P/M-C6-Y	350 (280~420)							-
RA-391P/M-C6-Y	390 (312~468)							-
RA-501P/M-C6-Y	500 (400~600)							-
RA-601P/M-C6-Y	600 (480~720)							-
RA-102P/M-C6-Y	1,000 (800~1,200)							-
RA-152P/M-C6-Y	1,500 (1,200~1,800)							-
RA-272M-C6-Y	2,700 (2,160~3,240)*			1.2/50µs 5kV	5kV max.	1,000 (DC500V)	-	
RA-302M-C6-Y	3,000 (2,400~3,600)*	-	AC1,250V3s					
RA-302M-C6(AC)-Y	3,000 (2,700~3,900)*	-	AC1,500V60s AC1,800V3s					

* Reference Value
Operating Temperature: -40~+85C

● Dimensions Taping item

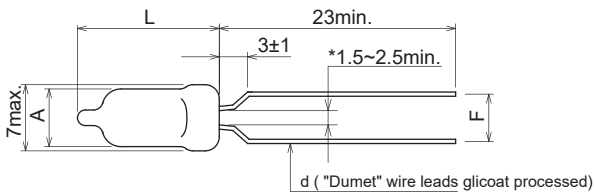
RA-XXXP/M-C6-Y



Unit: mm

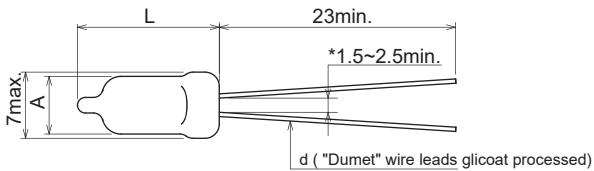
● Dimensions Single item (Forming lead type)

RA-XXXP/M-C6-F



● Dimensions Single item (Standard lead type)

RA-XXXP/M-C6



*Varies by model number

Unit: mm

Safety Standard

UL497B	UL1449	cUL	TÜV	Model Number
○	-	-	-	RA-800P/M-C6-Y
○	-	-	-	RA-201P/M-C6-Y
○	-	-	-	RA-231P/M-C6-Y
○	○ ^{*1}	-	-	RA-311P/M-C6-Y
○	○ ^{*1}	-	-	RA-351P/M-C6-Y
○	○ ^{*1}	-	-	RA-391P/M-C6-Y
○	○ ^{*1}	-	-	RA-501P/M-C6-Y
-	○ ^{*1} ₂	-	-	RA-601P/M-C6-Y
-	○ ^{*1} ₂	-	-	RA-102P/M-C6-Y
-	○ ^{*1} ₂	-	-	RA-152P/M-C6-Y
-	○ ^{*1}	○ ^{*1}	○ ^{*3}	RA-272M-C6-Y
-	○ ^{*1} ₂	○ ^{*1} ₂	○ ^{*4}	RA-302M-C6-Y
-	○ ^{*1} ₂	○ ^{*1} ₂	○ ^{*4}	RA-302M-C6(AC)-Y

Rated voltage <A>: Approved if it is connected to UL approved varistor .

	A	B
*1	AC125V	V1.0≥270V, D≥φ5mm
*2	AC250V	V1.0≥390V, D≥φ7mm
*3	AC125V	V1.0≥470V, D≥φ5mm
*4	AC125V / AC250V	V1.0≥470V, D≥φ5mm

● Dimension Details

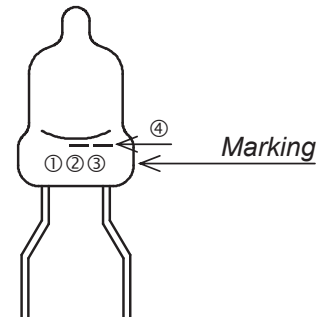
Description	Symbol	Dimension (mm)
RA	Height	L 15.0 max.
	Lamp Diameter	A φ 6.1 max.
	Lead Diameter	d φ 0.45±0.05
Height from PCB top	L ₁	17.0 max.
Lamp pitch	P	12.7±1.0
Hole pitch	P ₀	12.7±0.3*
Hole position	P ₁	3.85±0.7
	P ₂	6.35±1.3
Lead pitch	F	5.0 ^{+0.6} _{-0.2}
Declining	Δh	±2.0
Paper width	W	18.0±0.5
Hole position	W ₁	9.0±0.5
Lead clinch height	H ₀	16.0±0.5
Product height	H ₁	(33.5)
Hole diameter	D ₀	φ 4.0±0.2
Paper thickness	t	0.9 max.

* Accumulative pitch error: 4 pitches 50.8±0.6mm, 20 pitches 254±1.5mm

● Packing Quantity per Carton

RA-C6-Y series: 2,000 pcs/1box

● Description of marking



①.....DC Breakdown Voltage

Discharge voltage symbol	800	201	231	311	351	391	501	601	102	152	272	302
Symbol	B	U	Q	t	h	r	F	A	J	K	M	L
Discharge voltage symbol	302(AC)											
Symbol	H											

②.....Identification of manufacture year eg.) 2023→3

③..... Manufacture month (see below)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Symbol	A	B	D	E	F	G	H	J	K	L	M	N

④.....Japan production: --, China production: None

* Single items (Forming lead type and standard lead type) have different marking identification. Please contact us for details.