

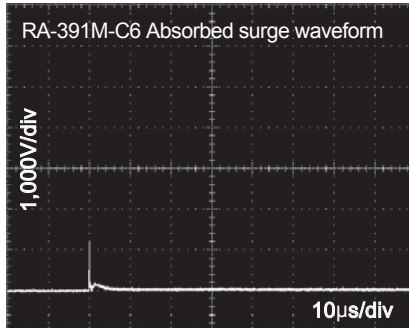
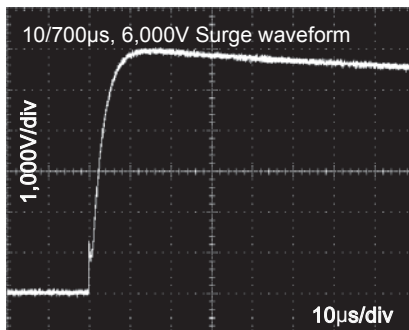


## Features

- Fast response time.
- Large surge withstand capability 2,000A.
- Protects electronic components from impulse breakdown voltage.
- Small inter-terminal capacity.

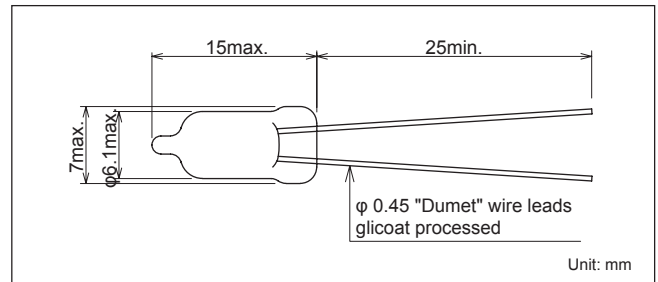
## Applications

- xDSL modems, Splitters, BS tuner, CRT, VCR, Telephone, Modems, Car audio and GPS.
- *Impulse Absorption Characteristics*

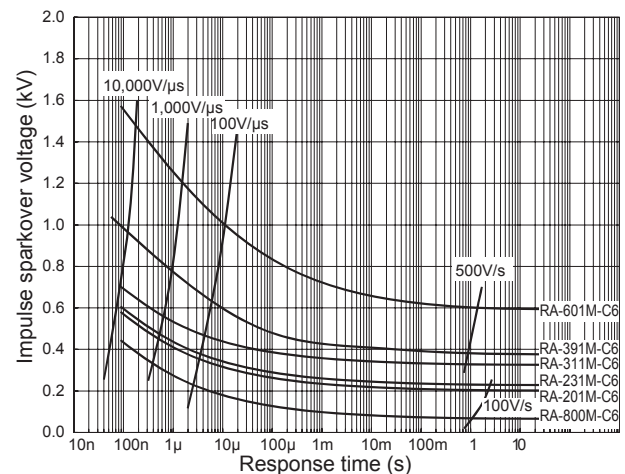


Safety Standard		File No.
UL	:UL497B	E139599
	:UL1449	E332107
UL	:UL1414	E47474
cUL	:C22.2 No.1	
SEMKO	:IEC61643-1	SE-44153
	:EN61643-11	1020662

## Dimensions



## V-t Characteristics



## Electrical Specifications

Safety Standard				Model Number P: Without Marking M: Marking	DC Sparkover Voltage (V)	Insulation Resistance(MΩ)	Electrostatic Capacitance 1MHz (pF)	Impulse Discharge Current 8/20µs (A)	Impulse Life Test 8/20µs 100A	Withstand Voltage Test
UL 497B	UL 1449	UL 1414 cUL	SEMKO							
O	-	-	-	RA-800P/M-C6	80 (64 ~ 96)	1,000 min. (DC50V)	1.0 max.	2,000	300 times	-
O	-	-	-	RA-151P/M-C6	150 (120 ~ 180)					
O	-	-	-	RA-201P/M-C6	200 (160 ~ 240)					
O	-	-	-	RA-231P/M-C6	230 (184 ~ 276)	1,000min. (DC100V)				
O	O*1	-	-	RA-311P/M-C6	310 (264 ~ 356)					
O	O*1	-	-	RA-351P/M-C6	350 (280 ~ 420)					
O	O*1	-	-	RA-391P/M-C6	390 (312 ~ 468)	1,000min. (DC250V)				
O	O*1	-	O*4	RA-501P/M-C6	500 (400 ~ 600)					
-	O*1 *2	-	O*4	RA-601P/M-C6	600 (480 ~ 720)					
-	O*1 *2	-	O*4	RA-102P/M-C6	1,000 (800 ~ 1,200)	1,000min. (DC500V)				
-	O*1 *2	-	O*4	RA-152P/M-C6	1,500 (1,200 ~ 1,800)					
-	O*1	O*1	O	RA-272M-C6	2,700 (2,160 ~ 3,240)*5					
-	O*1 *2	O*3	O	RA-302M-C6	3,000 (2,400 ~ 3,600)*5					AC1,250V3s AC1,500V60s

\*1 Rated voltage AC125V: Approved if it is connected to UL approved varistor (V1.0mA≥270V, D≥φ 5mm).

\*2 Rated voltage AC250V: Approved if it is connected to UL approved varistor (V1.0mA≥390V, D≥φ 7mm).

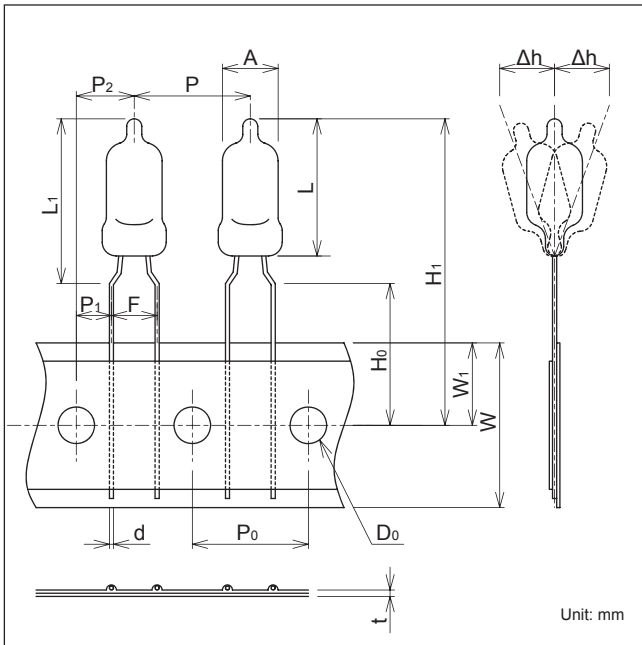
\*3 Rated voltage AC250V: Approved if it is connected to UL approved varistor (V1.0mA≥390V, D≥φ 5mm).

\*4 P: Those with no markings are not SEMKO compliant.

\*5 Reference Value



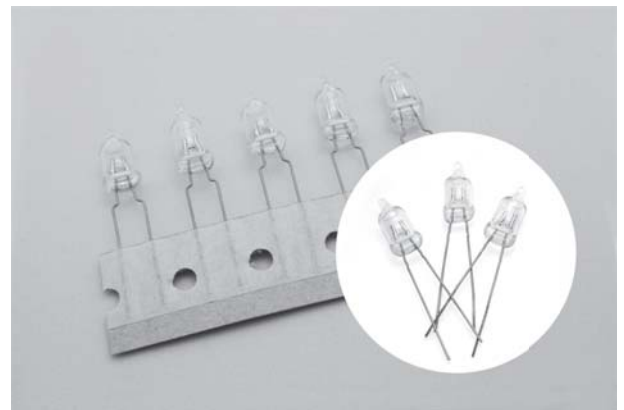
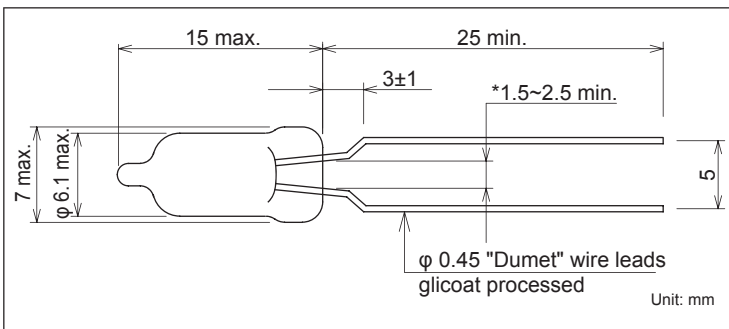
● Taping Dimensions (RA-XXXXP/M-C6-Y)



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
Product height from board		L <sub>1</sub>	17.0 max.
Lamp pitch		P	12.7±1.0
Hole pitch		P <sub>0</sub>	12.7±0.3*
Hole position		P <sub>1</sub>	3.85±0.7
		P <sub>2</sub>	6.35±1.3
Pitch between leads		F	5.0 <sup>+0.6</sup> <sub>-0.2</sub>
Declining		Δh	±2.0
Paper width		W	18.0±0.5
Hole position		W <sub>1</sub>	9.0±0.5
Lead clinch height		H <sub>0</sub>	16.0±0.5
Product height		H <sub>1</sub>	(33.5)
Hole diameter		D <sub>0</sub>	φ 4.0±0.2
Paper thickness		t	0.7±0.2

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

● Forming Dimensions (RA-XXXXP/M-C6-F)



● Packing Quantity per Carton

RA-C6-Y: 2,000 pcs

● Marking



- ①②③..... DC Sparkover Voltage ①②×10<sup>③</sup>
- ④..... Tolerance ±20% (Symbol O)
- ⑤..... Last digit of the calendar year eg.) 2012→2
- ⑥..... The month manufactured (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

eg)

Model: RA-102M-C6  
 DC spark-over voltage: 1,000V  
 Tolerance: ±20%→O  
 Calendar: 2012→2  
 Manufactured month: January→A

