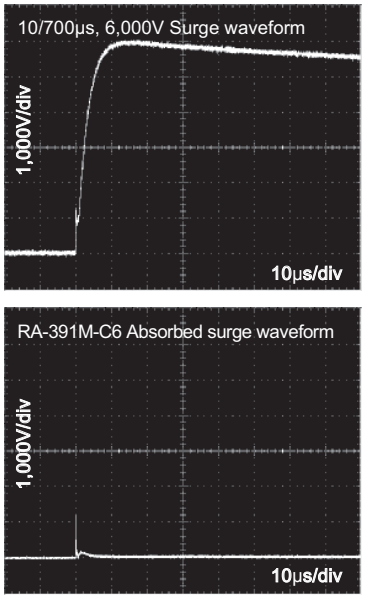
Features

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

Applications

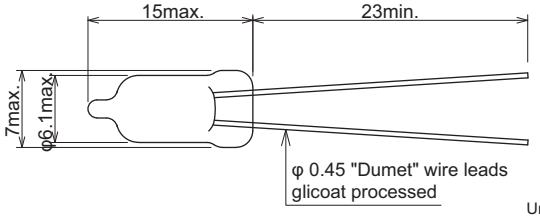
- xDSL modems, Splitters, BS tuner, CRT, VCR, Telephone, Modems, Car audio and GPS.

- *Impulse Absorption Characteristics*



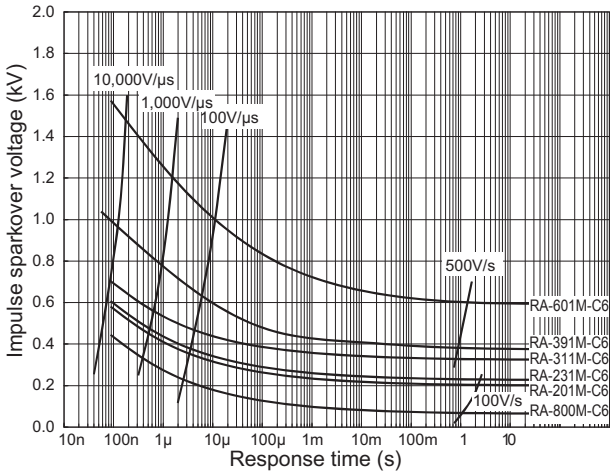
Safety Standard		File No.
UL	:UL497B	E139599
UL cUL	:UL1449 3rd. :C22.2 No.8	E332107
SEMKO	:EN61643-11	SE-44153 1312808

- *Dimensions*



Unit: mm

- *V-t Characteristics*

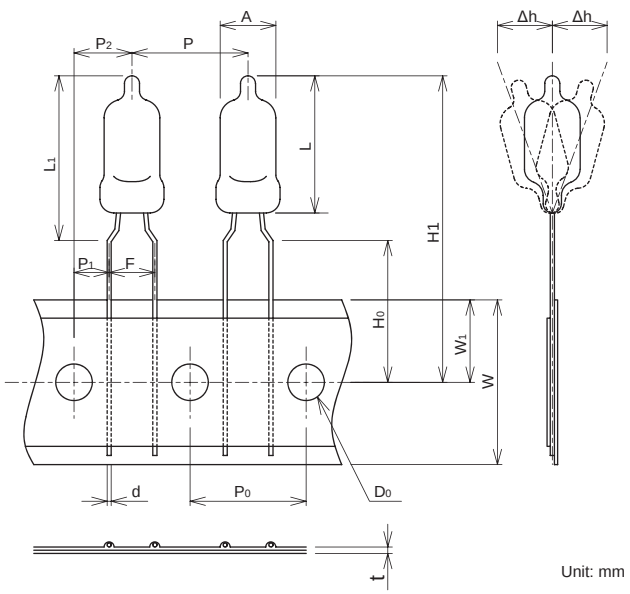


Electrical Specifications

Safety Standard				Model Number P: Without Marking M: Marking	DC Breakdown Voltage (V)	Insulation Resistance(MΩ)min.	Electrostatic Capacitance 1MHz (pF) max.	Impulse Life Test 8/20μs 100A	Impulse Current Capacity 8/20μs (A)	Withstanding Voltage
UL 497B	UL 1449	UL 1449 cUL	SEMKO							
O	-	-	-	RA-800P/M-C6	80 (64 ~ 96)	1,000 (DC50V)	1.0	300 times	2,000	–
O	-	-	-	RA-151P/M-C6	150 (120 ~ 180)					
O	-	-	-	RA-201P/M-C6	200 (160 ~ 240)	1,000 (DC100V)				
O	-	-	-	RA-231P/M-C6	230 (184 ~ 276)					
O	O*1	-	-	RA-311P/M-C6	310 (264 ~ 356)					
O	O*1	-	-	RA-351P/M-C6	350 (280 ~ 420)					
O	O*1*2	-	-	RA-391P/M-C6	390 (312 ~ 468)					
O	O*1*2	-	O*3	RA-501P/M-C6	500 (400 ~ 600)					
-	O*1*2	-	O*3	RA-601P/M-C6	600 (480 ~ 720)	1,000 (DC250V)				
-	O*1	-	O*3	RA-102P/M-C6	1,000 (800 ~ 1,200) *4	1,000 (DC500V)				
-	O*1	-	O*3	RA-152P/M-C6	1,500 (1,200 ~ 1,800)*4					
-	O*1	O*1	O	RA-272M-C6	2,700 (2,160 ~ 3,240)*4					AC1,250V3s
-	O*1*2	O*1	O	RA-302M-C6	3,000 (2,400 ~ 3,600)					AC1,500V60s
-	O*1*2	O*2	O	RA-302M-C6(AC)	3,000 (2,700 ~ 3,900)					AC1,800V3s

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

● *Taping Dimensions (RA-XXXP/M-C6-Y)*

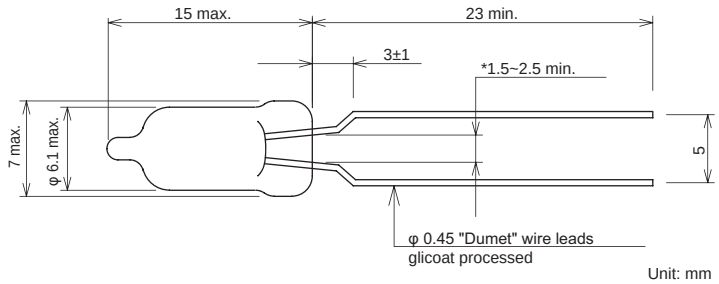


Unit: mm

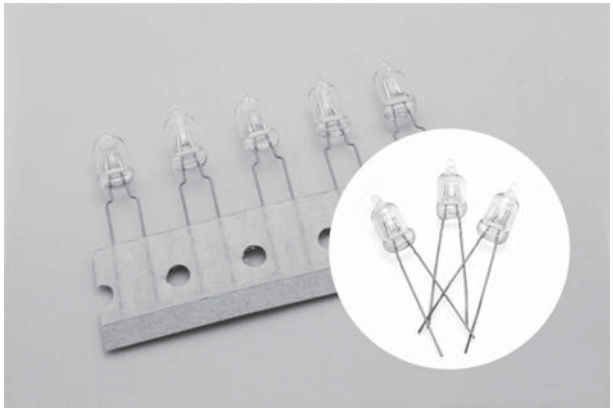
Description		Symbol	Dimension (mm)
RA	Height	L	15.0 max.
	Lamp Diameter	A	φ 6.1 max.
	Lead Diameter	d	φ 0.45±0.05
Height from PCB top		L_1	17.0 max.
Lamp pitch		P	12.7±1.0
Hole pitch		P_0	12.7±0.3*
Hole position		P_1	3.85±0.7
		P_2	6.35±1.3
Lead pitch		F	$5.0^{+0.6}_{-0.2}$
Declining		Δh	±2.0
Paper width		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	0.7±0.2

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

● *Forming Dimensions (RA-XXXP/M-C6-F)*



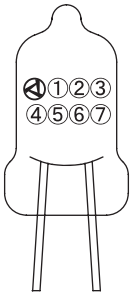
Unit: mm



● *Packing Quantity per Carton*

RA-C6-Y: 2,000 pcs

● *Description of marking*



①②③····· DC Breakdown Voltage ①②×10③

④····· T : China production

None : Japan production

⑤····· Tolerance ±20% (Symbol O)*1

⑥····· Identification of manufacture year eg.) 2013→3

⑦····· Manufacture month (see below)

*1 Tolerance of 311 ±15% (Symbol M)

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) In case of japan production

Model: RA-102M-C6

DC Breakdown voltage: 1,000V

Tolerance: ±20%→O

Calendar: 2014→4

Manufactured month: January→A