



URA-B7 series are radial type surge absorber for high voltage and compatible with dielectric strength test. Impulse characteristics stability, long life.

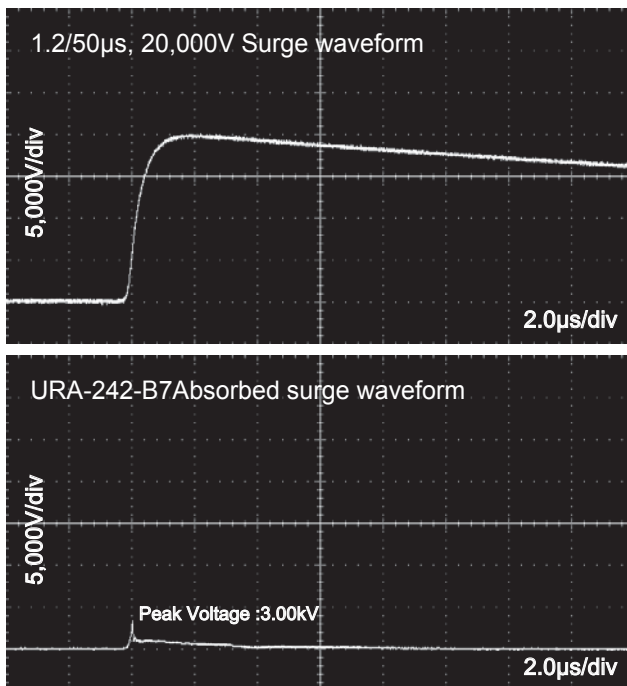
### Features

- Compact size, high speed response, long life
- Compatible with dielectric strength test
- Lead-free solder support
- Lineup from 600 to 4,500V
- UL, cUL, UL-EU and TÜV safety approvals

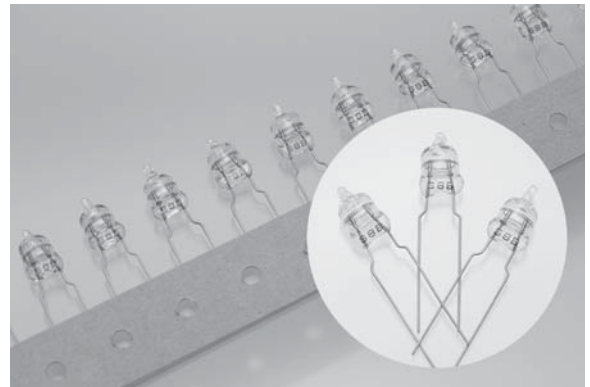
### Applications

- Switching power supply, inverter power supplies
- Refrigerator, laundry machine, air conditioner
- LED Lighting
- Copier, telecommunication equipment

### • Impulse Absorption Characteristics

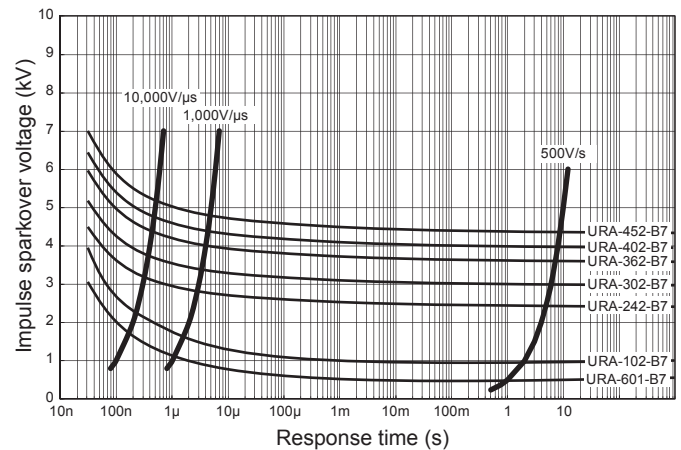


Safety Standard		File No.
UL	:UL1449 4th.	E322107
cUL	:C22.2 No.269.5	
UL-EU	:IEC61643-311 :EN61643-311	J50392032
TÜV	:IEC62368-1 :EN62368-1	



**NEW**

### • V-t Characteristics



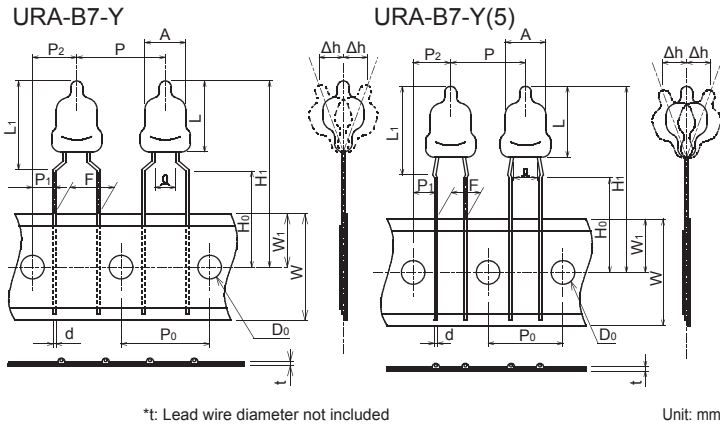
### Electrical Specifications

Model Number	DC Breakdown Voltage (V)	Impulse Sparkover Voltage 1.2/50µs (V) max.		Insulation Resistance (MΩ) min.	Capacitance 1MHz (pF) max.	Impulse Life test 8/20µs 100A	Impulse Current Capacity 8/20µs (A)	Withstanding Voltage
		Applied Voltage	Specification					
URA-601-B7-Y/Y(5)	600(480~720)	-	-	1000(DC250V)	1.0	300 times	3,500	-
URA-102-B7-Y/Y(5)	1,000(800~1,200)							-
URA-152-B7-Y/Y(5)	1,500(1,200~1,800)							-
URA-242-B7-Y/Y(5)	2,400(1,920~2,880)*	5,000V	5,000V max.	1000(DC500V)	1.0	300 times	3,500	AC1,250V 3s
URA-302-B7-Y/Y(5)	3,000(2,400~3,600)*							AC1,500V 60s
URA-362-B7-Y/Y(5)	3,600(2,880~4,320)*							AC1,800V 3s
URA-402-B7-Y/Y(5)	4,000(3,200~4,800)*							AC2,000V 60s
URA-452-B7-Y/Y(5)	4,500(3,600~5,400)*	8,000V	8,000V max.	1000(DC1,000V)	1.0	300 times	3,500	AC2,000V 60s

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

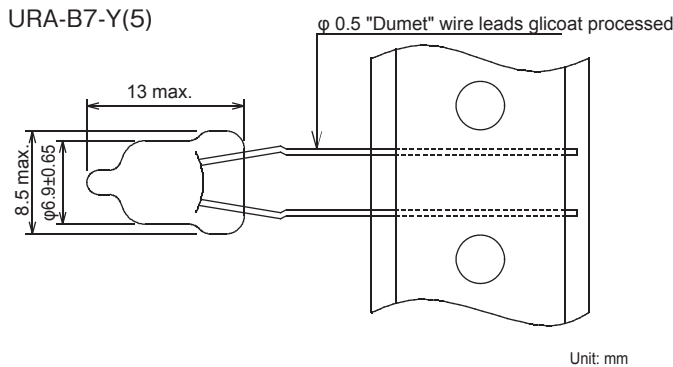
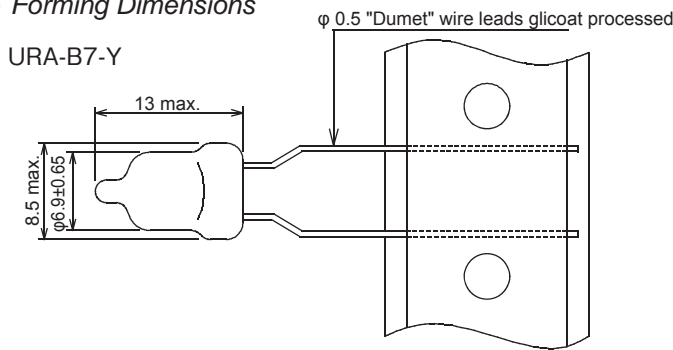


● Taping Dimensions



Description	Symbol	Dimension (mm)	
		URA-B7-Y	URA-B7-Y(5)
High	L	13.0 max.	
Lamp Diameter	A	φ 6.9±0.65	
Lead Diameter	d	φ 0.5±0.05	
Leads clearance	ℓ	4.0 min.	
Height from PCB top	L <sub>1</sub>	18.0 max.	
Lamp pitch	P	15.0±1.0	12.7±1.0
Hole pitch	P <sub>0</sub>	15.0±0.3*	12.7±0.3*
Hole position	P <sub>1</sub>	3.75±0.7	3.85±0.7
	P <sub>2</sub>	7.5±1.3	6.35±1.3
Lead pitch	F	7.5±0.5	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>	(34.5)	
Hole diameter	D <sub>0</sub>	φ 4.0±0.2	
Paper thickness	t	0.9 max.	

● Forming Dimensions



\*Accumulated pitch error

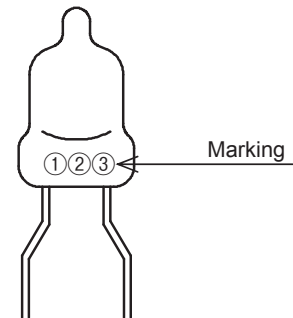
	4 pitch	20 pitch
URA-B7-Y	60.0±0.6	300±1.5
URA-B7-Y(5)	50.8±0.6	254±1.5

● Packing Quantity per Carton

URA-B7-Y Series: 1,500 pcs

URA-B7-Y(5) Series: 1,800 pcs

● Packing Description of Marking



① .....DC Breakdown Voltage

DC Sparkover voltage brevity code	601	102	152	242	302	362	402	452
Code	A	J	K	T	L	S	V	Y

② .....The year manufactured eg.) 2020→0

③ .....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

Safety Standard

UL/cUL	UL-EU	TÜV	Model Number
○ <sup>11</sup> <sub>2</sub>	○	-	URA-601-B7-Y/Y(5)
○ <sup>11</sup> <sub>2</sub>	○	-	URA-102-B7-Y/Y(5)
○ <sup>11</sup> <sub>2</sub>	○	-	URA-152-B7-Y/Y(5)
○ <sup>11</sup> <sub>2</sub>	○	-	URA-242-B7-Y/Y(5)
○ <sup>11</sup> <sub>2</sub>	○	○ <sup>3</sup>	URA-302-B7-Y/Y(5)
○ <sup>11</sup> <sub>2</sub>	○	○ <sup>3</sup>	URA-362-B7-Y/Y(5)
○ <sup>11</sup> <sub>2</sub>	○	○ <sup>3</sup>	URA-402-B7-Y/Y(5)
○ <sup>11</sup> <sub>2</sub>	○	○ <sup>3</sup>	URA-452-B7-Y/Y(5)

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

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