

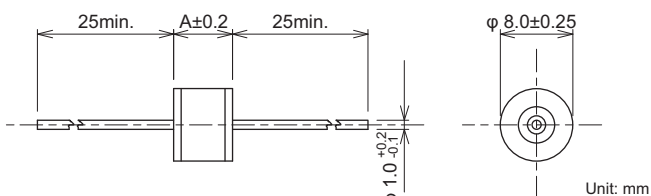
Features

- Quick response for surge.
- High impulse current capacity.
- It can withstand alternating current.
- Excellent insulation resistance and small capacitance.
- Recommendation of ITU-T conformity.

Applications

- Telephone, PBX, Wireless base station, Optical transmission equipments, CATV transmission equipments, Fire alarm systems and Home security systems.

Dimensions



Model Number	A
R28-□□□-BHL	5.7
R28-□□□-BJL	6.05
R28-□□□-BKL	7.5
R28-□□□-BRL	9.0



Safety Standard	File No.
UL :UL497B	E139599
:UL1449 3rd.	E332107



Model numbering system

R	2	8	-	3	5	1	-	B	H	L
Series Name			DC Breakdown Voltage			Type of taping		Type of wire		
R38 3 electrode arrester			351 35X10 ³ =350V			B Bulk		L With lead		
								None Without lead		
								Length		
								H 5.7mm		
								J 6.05mm		
								K 7.5mm		
								R 9.0mm		

Electrical Specifications (Low Voltage Type)

(Conforms to ITU-T)

Safety Standard	Model Number	DC Breakdown Voltage 100V/s~2,000V/s (V) ±20	Impulse Sparkover Voltage 100V/μs (V) max	Insulation Resistance (MΩ) min.	Capacitance 1MHz (pF) max.	Impulse Life Test 10/1,000μs (A)300 times	Alternating Discharge Current 50Hz, 1s 10 times (A)	Impulse Discharge Current 8/20ms (A) 10times
UL 497B								
UL 1449								
○ -	R28-900-BHL	90	450	10,000(DC50V)				
○ -	R28-151-BHL	150	500					
○ -	R28-231-BHL	230	600					
○ -	R28-251-BHL	250						
○ ○ ^{*1}	R28-301-BHL	300	650	10,000(DC100V)	1.5	100	10	10,000
○ ○ ^{*1}	R28-351-BHL	350	750					
○ ○ ^{*1}	R28-401-BHL	400	800					
○ ○ ^{*1}	R28-471-BHL	470	900					
○ ○ ^{*1} ○ ^{*2}	R28-601-BHL	600	1,300					

Electrical Specifications (High Voltage Type)

Safety Standard	Model Number	DC Breakdown Voltage 500V/s (V)±20	Insulation Resistance (MΩ) min.	Capacitance 1MHz (pF) max.	Withstanding Voltage	Impulse Life Test 8/20μs (A)300A times	Impulse Discharge Current 8/20μs (A)
UL 1449							
○ ^{*1} / _{*2}	R28-801-BHL	800	10,000(DC250V)		-		
○ ^{*1} / _{*2}	R28-102-BHL	1,000			-		
○ ^{*1} / _{*2}	R28-152-BHL	1,500			-		
○ ^{*1} / _{*2}	R28-242-BJL	2,400	10,000(DC500V)	1.5	AC1,250V 3s	1000	10,000
○ ^{*1} / _{*2}	R28-302-BKL	3,000			AC1,500V 60s		
○ ^{*1} / _{*2}	R28-362-BKL	3,600			AC1,800V 3s		
○ ^{*1} / _{*2}	R28-402-BKL	4,000			AC2,000V 60s		
○ ^{*1} / _{*2}	R28-452-BKL	4,500	10,000(DC1000V)		AC3,000V 60s		
○ ^{*1} / _{*2}	R28-602-BRL	6,000					

^{*1} Rated voltage AC125V: Approved if it is connected to UL approved varistor (V1.0mA≥270V, D≥φ 14mm).

^{*2} Rated voltage AC250V: Approved if it is connected to UL approved varistor (V1.0mA≥470V, D≥φ 14mm).

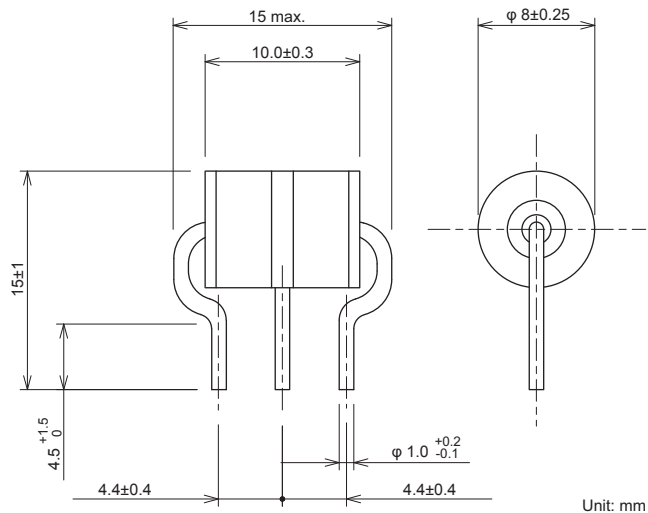
Features

- Quick response for surge.
- High impulse current capacity.
- It can withstand alternating current.
- Excellent insulation resistance and small capacitance.
- Recommendation of ITU-T conformity.

Applications

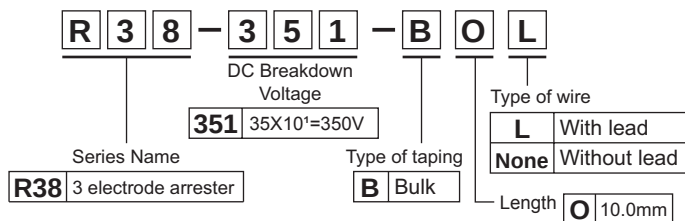
- Telephone, PBX, Wireless base station, Optical transmission equipments, CATV transmission equipments, Fire alarm systems and Home security systems. RoHS restriction complied.

- *Dimensions*



Unit: mm

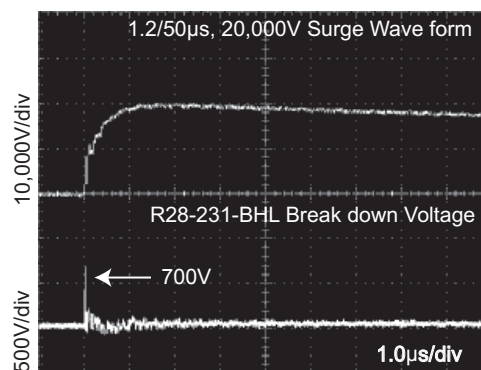
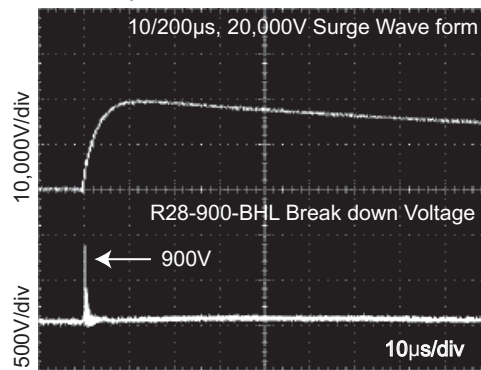
- Model numbering system



Safety Standard	File No.
UL :UL497B	E139599



- *Impulse Absorption Characteristics*



Electrical Specifications

(Conforms to ITU-T)

Safety Standard	Model Number	DC Breakdown Voltage 100V/s ~ 2,000V/s (V) ±20%	Impulse Sparkover Voltage 100V/μs (V) max.	Insulation Resistance (MΩ) min.	Capacitance 1MHz max. (pF)	Impulse Life Test 10/1,000μs (A) 300 times	Alternating Discharge Current 50Hz, 1s 10 times (A)	Impulse Discharge Current 8/20μs (A) 10 times
	R38-900-BOL	90	450	10,000(DC50V)	1.5	100	10	10,000
	R38-231-BOL	230	600	10,000(DC100V)				
	R38-251-BOL	250						
	R38-351-BOL	350	750					
	R38-421-BOL	420	900					
	R38-601-BOL	600	1,300					